

Converting Colors

XYZ(59.2789, 77.7493, 90.4801)

Have a look what the booklet for
XYZ(59.2789, 77.7493, 90.4801)
contains.

XYZ(59.2789, 77.7493, 90.4801)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.2789, 77.7493,
90.4801)**

Conversions

Conversions Part 1

Format	Color
Hex	8FF6EB
RGB	143, 246, 235
RGB Percent	56%, 96%, 92%
CMY	0.4392, 0.0353, 0.0784
CMYK	0.42, 0.00, 0.04, 0.04
HSL	174°, 85%, 76%
HSV	174°, 42%, 96%
XYZ	59.2789, 77.7493, 90.4801
YIQ	213.9490, -57.8570, -25.2570

Conversions

Conversions Part 2

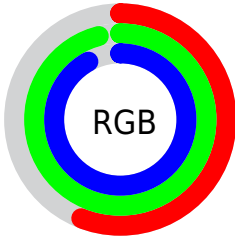
Format	Color
R_{YB}	143, 197, 246
Decimal	9434859
CIE _{Lab}	90.67, -32.57, -4.12
CIE _{LCh}	91, 32.832, 187.217
Y _{xy}	77.7493, 0.2606, 0.3417
Android (android.graphics.Color)	4287624939 (0xFF8FF6EB)
YUV	213.9490, 10.3781, -62.2223
Hunter-Lab	88.1756, -34.3048, 0.8833

Details

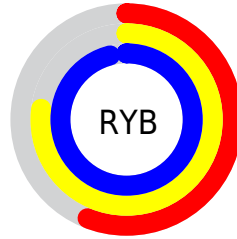
The XYZ color **59.2789, 77.7493, 90.4801** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.6639, 41.5732, 35.7708**, and the grayscale version is **63.8444, 67.1693, 73.1474**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **30.0806, 41.5812, 49.0884** is the 20% darker color. If you saturate the color by 10%, you get **55.1019, 75.6414, 88.3189**, and if you desaturate by 10%, it is **64.3997, 80.3469, 92.7182**.

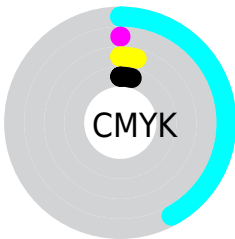
Distribution



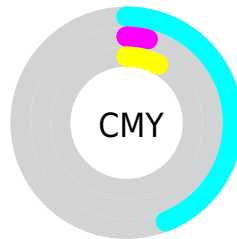
- Red (56%)
- Green (96%)
- Blue (92%)



- Red (56%)
- Yellow (77%)
- Blue (96%)



- Cyan (42%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (44%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2789, 77.7493, 90.4801 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 59.2789, 77.7493, 90.4801 by changing the saturation by 10% instead.


 59.2789, 77.7493,
90.4801


 59.2789, 77.7493,
90.4801


411.8122,
487.3150, 550.2017

 43.0849, 57.8681,
67.8029


 102.8952,
130.1967, 149.9464

 30.1466, 41.7026,
49.2718


 131.0483,
163.5316, 187.5727

 20.0985, 28.8685,
34.4680


163.9183,
202.1198, 231.0191

 12.5753, 18.9814,
22.9731

201.8709,
246.3458, 280.7041

 7.2117, 11.6568,
14.3685

245.2711,
296.5939, 337.0464

 3.6424, 6.5104,
8.2357

294.4845,

 1.5019, 3.1579,

353.2486, 400.4644

4.1562

349.8764,
416.6941, 471.3766

■ 0.3271, 1.2147,
1.7114

■ 0.0000, 0.0737,
0.3686

■ 59.2789, 77.7493,
90.4801

■ 59.2789, 77.7493,
90.4801

■ 55.1019, 75.6414,
88.3189

■ 64.3997, 80.3469,
92.7182

■ 51.8003, 73.9823,
86.2260


■ 70.5137, 83.4539,
95.0305


■ 49.3072, 72.7393,
84.2001


■ 77.6749, 87.1002,
97.4213


■ 47.5430, 71.8715,
82.2372


■ 85.9313, 91.3104,
99.8930


 46.4120, 71.3294,
80.3327

 91.1622, 93.9601,
102.2529

 45.8391, 71.0669,
78.8215

 91.5732, 94.1245,
104.4171

 91.9899, 94.2912,
106.6116

 92.2470, 94.3941,
107.9657

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.2422, 77.7493, 68.2840



59.2789, 77.7493, 90.4801



61.9944, 77.7493, 115.1462

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.2789, 77.7493, 90.4801



83.8931, 77.7493, 126.1387



80.2001, 77.7493, 49.3567

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



59.2789, 77.7493, 90.4801



53.6639, 41.5732, 35.7708

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2362, 77.7493, 60.0874



59.2789, 77.7493, 90.4801



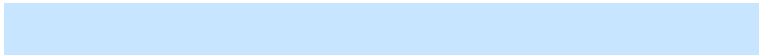
89.4765, 77.7493, 103.4552

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



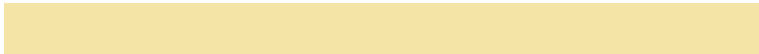
59.2789, 77.7493, 90.4801



75.9050, 77.7493, 138.0731



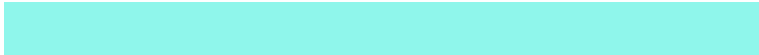
90.7432, 77.7493, 79.0869



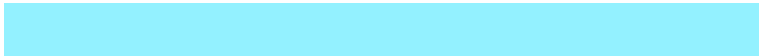
71.9274, 77.7493, 47.1715

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.2789, 77.7493, 90.4801



65.6535, 77.7493, 128.7813



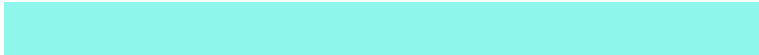
90.7432, 77.7493, 79.0869



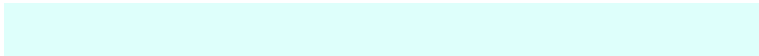
82.8062, 77.7493, 51.9726

Sweetspot

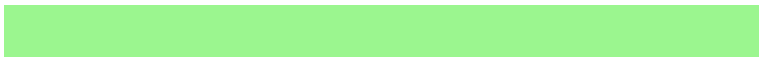
The Sweet Spot groups the original color and five complimentary colors.



59.2812, 77.7524, 90.4819



83.3233, 94.0199, 105.4026



51.4369, 74.8680, 37.7283



17.4518, 19.9291, 22.4366



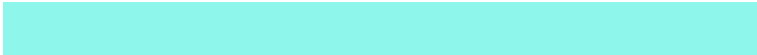
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.2812, 77.7524, 90.4819



60.5212, 82.4442, 96.2409



50.1606, 56.8880, 95.5289



16.9160, 18.7255, 20.8417



24.4979, 37.9440, 42.2370



2.1746, 3.3435, 3.8252

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.6639, 41.5732, 35.7708



53.7107, 38.4949, 29.8453



59.7938, 55.2329, 33.4979



16.5711, 16.5113, 17.4878



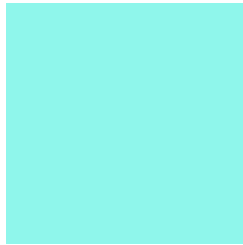
20.4114, 10.5080, 1.6089



1.8173, 0.9329, 0.2642

Previews

White Background



This preview shows how the XYZ color 59.2789, 77.7493, 90.4801 looks on a white background.

Color Contrast Check

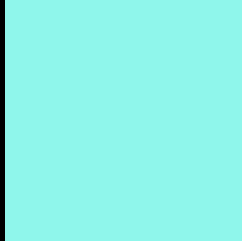
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 59.2789, 77.7493, 90.4801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

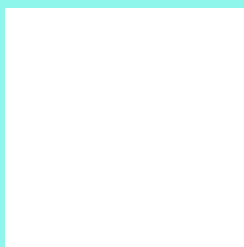
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.2789, 77.7493, 90.4801

Background



This preview shows how black text looks on a background with the XYZ color 59.2789, 77.7493, 90.4801.



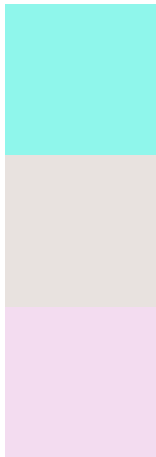
This preview shows how white text looks on a background with the XYZ color 59.2789, 77.7493,

90.4801.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

59.2789, 77.7493, 90.4801

Protanopia

73.7944, 76.8762, 80.7613

Deuteranopia

78.2835, 76.5324, 93.0843



Tritanopia

65.2787, 77.3880, 106.1046

Trichromacy



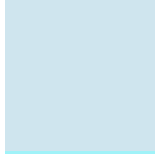
Original Color

59.2789, 77.7493, 90.4801



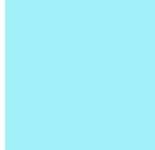
Protanomaly

66.8235, 76.1032, 83.8405



Deuteranomaly

69.1841, 75.4771, 91.8111



Tritanomaly

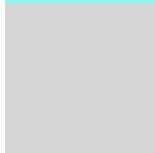
63.1926, 77.7552, 100.4846

Monochromacy



Original Color

59.2789, 77.7493, 90.4801



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

61.1202, 70.3580, 79.4663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2789, 77.7493, 90.4801 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(143, 246, 235)` looks like.

```
.text, #text, p{  
    color:rgb(143, 246, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(143, 246, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 246, 235) }
```

Border

The CSS property to change the border of an element to XYZ 59.2789, 77.7493, 90.4801 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(143, 246, 235) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(143, 246, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(143, 246, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 246, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 246, 235);  
box-shadow:4px 4px 4px 4px rgb(143, 246,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2789, 77.7493, 90.4801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 246, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(143,  
246, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor