

Converting Colors

XYZ(69.0687, 80.5301,
154.5101)

Have a look what the booklet for
XYZ(69.0687, 80.5301, 154.5101)
contains.

XYZ(59.9164, 76.8269, 106.2789)	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(59.9164, 76.8269,
106.2789)**

Conversions

Conversions Part 1

Format	Color
Hex	84F4FF
RGB	132, 244, 255
RGB Percent	52%, 96%, 100%
CMY	0.4823, 0.0431, 0.0000
CMYK	0.48, 0.04, 0.00, 0.00
HSL	185°, 100%, 76%
HSV	185°, 48%, 100%
XYZ	59.9164, 76.8269, 106.2789
YIQ	211.7660, -70.2830, -20.3230

Conversions

Conversions Part 2

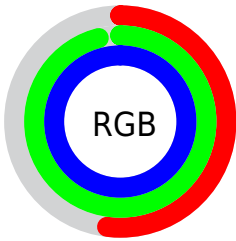
Format	Color
RYB	132, 191, 255
Decimal	8713471
CIELab	90.24, -29.22, -15.22
CIELCh	90, 32.945, 207.509
Yxy	76.8269, 0.2465, 0.3161
Android (android.graphics.Color)	4286903551 (0xFF84F4FF)
YUV	211.7660, 21.3144, -69.9548
Hunter-Lab	87.6510, -31.3702, -10.5349

Details

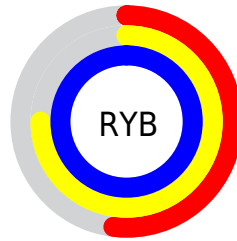
The XYZ color **59.9164, 76.8269, 106.2789** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.2279, 42.5715, 27.1381**, and the grayscale version is **62.3224, 65.5680, 71.4035**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **30.4176, 40.8831, 59.7141** is the 20% darker color. If you saturate the color by 10%, you get **55.7242, 73.6555, 105.8877**, and if you desaturate by 10%, it is **65.0956, 80.5233, 106.7194**.

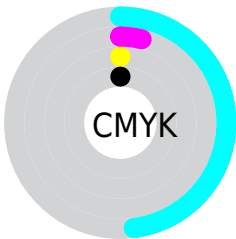
Distribution



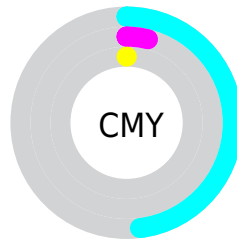
- Red (52%)
- Green (96%)
- Blue (100%)



- Red (52%)
- Yellow (75%)
- Blue (100%)



- Cyan (48%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9164, 76.8269, 106.2789 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 59.9164, 76.8269, 106.2789 by changing the saturation by 10% instead.

59.9164, 76.8269,
106.2789

59.9164, 76.8269,
106.2789

414.1292,
484.1736, 601.5590

43.6005, 57.1108,
80.9086

103.8154,
128.8951, 171.8863

30.5531, 41.0942,
59.9357

132.1292,
162.0160, 212.9604

20.4089, 28.3927,
42.9419

165.1730,
200.3740, 260.1062

12.8026, 18.6219,
29.5085

203.3121,
244.3534, 313.7421

7.3688, 11.3974,
19.2169

246.9120,
294.3387, 374.2869

3.7422, 6.3348,
11.6487

296.3378,

1.5573, 3.0497,

350.7142, 442.1589

6.3853

351.9552,
413.8644, 517.7768

■ 0.3644, 1.1577,
3.0082

■ 0.0000, 0.0268,
1.0988

■ 59.9164, 76.8269,
106.2789

■ 59.9164, 76.8269,
106.2789

■ 55.7242, 73.6555,
105.8877

■ 65.0956, 80.5233,
106.7194

■ 52.4406, 70.9632,
105.5411

■ 71.3207, 84.7698,
107.2110

■ 49.9853, 68.7104,
105.2357

■ 78.6530, 89.5998,
107.7568

■ 48.2610, 66.8469,
104.9669

■ 87.1476, 95.0416,
108.3594

■ 47.1337, 65.3036, 95.0500, 100.0000,
104.7284 108.9000

■ 46.9636, 65.0472,
104.6879

Harmonies

Analogous

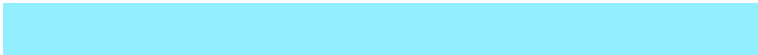
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.3810, 76.8269, 81.7050



59.9164, 76.8269, 106.2789



64.8788, 76.8269, 127.7899

Triad

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



59.9164, 76.8269, 106.2789



87.1379, 76.8269, 110.3147



73.7088, 76.8269, 46.1757

Complementary

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



59.9164, 76.8269, 106.2789



55.2279, 42.5715, 27.1381

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.



81.8188, 76.8269, 51.0640



59.9164, 76.8269, 106.2789



89.9256, 76.8269, 85.6285

Square

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



59.9164, 76.8269, 106.2789



80.5456, 76.8269, 130.4096



87.9108, 76.8269, 64.4877



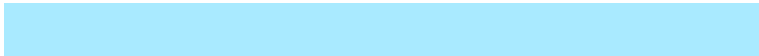
65.9815, 76.8269, 49.6653

Rectangle

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



59.9164, 76.8269, 106.2789



69.6657, 76.8269, 135.9099



87.9108, 76.8269, 64.4877



76.4837, 76.8269, 46.8693

Sweetspot

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



59.9185, 76.8297, 106.2793



82.1040, 91.8271, 108.0048



50.1783, 78.3866, 38.1772



17.1915, 19.4088, 23.0901



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.



59.9185, 76.8297, 106.2793



55.8113, 73.7238, 105.8963



44.5524, 46.0975, 101.1573



18.4078, 20.1873, 23.1763



24.5969, 34.1034, 54.7208



2.4339, 3.3985, 5.3410

Inverse Universe

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



65.8218, 44.2959, 90.6719



62.5017, 38.1937, 87.9071



66.9393, 65.9942, 31.0419



18.7185, 18.2707, 22.4007



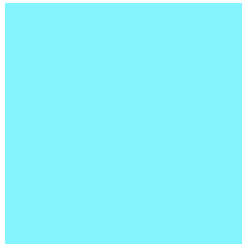
29.2036, 14.1707, 41.3180



2.8631, 1.3876, 4.1267

Previews

White Background



This preview shows how the XYZ color 59.9164, 76.8269, 106.2789 looks on a white background.

Color Contrast Check

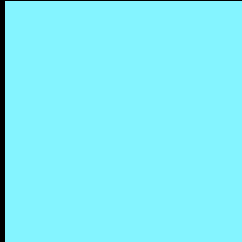
Large Text (above 18pt) WCAG AA × Fail

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 59.9164, 76.8269, 106.2789 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 59.9164, 76.8269, 106.2789

Background



This preview shows how black text looks on a background with the XYZ color 59.9164, 76.8269, 106.2789.

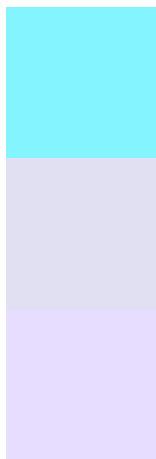


This preview shows how white text looks on a background with the XYZ color 59.9164, 76.8269,

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

59.9164, 76.8269, 106.2789

Protanopia

73.8847, 75.7899, 95.5288

Deuteranopia

76.5396, 75.7559, 105.1960



Tritanopia

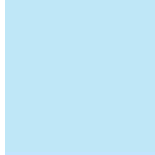
63.4137, 76.4266, 106.0173

Trichromacy



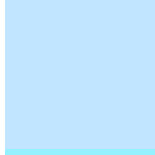
Original Color

59.9164, 76.8269, 106.2789



Protanomaly

66.8503, 74.9436, 98.9379



Deuteranomaly

68.3174, 74.7280, 105.4310



Tritanomaly

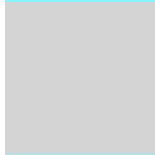
62.0830, 76.6146, 106.1237

Monochromacy



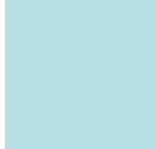
Original Color

59.9164, 76.8269, 106.2789



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

60.1877, 68.9800, 83.5410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9164, 76.8269, 106.2789 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(132, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 244, 255)  
}
```

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(132, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.9164, 76.8269, 106.2789 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(132, 244, 255) }
```


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

```
.border{ border-color:rgb(132, 244, 255) }
```

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

Here you see how a box with a 4 pixel rgb(132, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9164, 76.8269, 106.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 244, 255) }
```

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

```
.background{ background-color: rgb(132,  
244, 255) }
```

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](#).

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