

Converting Colors

XYZ(53.8085, 77.2080, 93.0845)

Have a look what the booklet for
XYZ(53.8085, 77.2080, 93.0845)
contains.

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Color

**XYZ(53.7675, 77.1458,
92.9457)**

Conversions

Conversions Part 1

Format	Color
Hex	56FBEE
RGB	86, 251, 238
RGB Percent	34%, 98%, 93%
CMY	0.6627, 0.0157, 0.0667
CMYK	0.66, 0.00, 0.05, 0.02
HSL	175°, 95%, 66%
HSV	175°, 66%, 98%
XYZ	53.7675, 77.1458, 92.9457
YIQ	200.1830, -94.1670, -39.0230

Conversions

Conversions Part 2

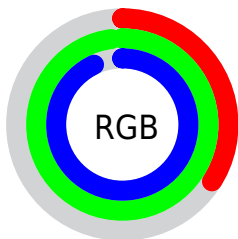
Format	Color
RYB	86, 172, 251
Decimal	5700590
CIELab	90.39, -45.05, -6.29
CIELCh	90, 45.489, 187.953
Yxy	77.1458, 0.2402, 0.3446
Android (android.graphics.Color)	4283890670 (0xFF56FBEE)
YUV	200.1830, 18.6438, -100.1385
Hunter-Lab	87.8327, -44.4369, -1.2586

Details

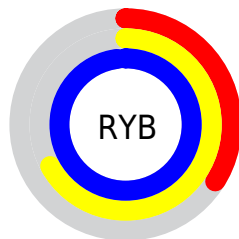
The XYZ color **53.7675, 77.1458, 92.9457** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **45.3661, 28.0679, 14.8335**, and the grayscale version is **54.9452, 57.8066, 62.9514**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **27.7353, 41.9610, 50.8934** is the 20% darker color. If you saturate the color by 10%, you get **51.5610, 76.0435, 91.3353**, and if you desaturate by 10%, it is **56.7928, 78.6734, 94.6145**.

Distribution



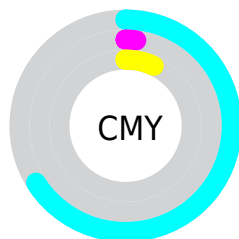
- Red (34%)
- Green (98%)
- Blue (93%)



- Red (34%)
- Yellow (67%)
- Blue (98%)



- Cyan (66%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)





- Cyan (66%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7675, 77.1458, 92.9457 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 53.7675, 77.1458, 92.9457 by changing the saturation by 10% instead.


 53.7675, 77.1458,
92.9457


 53.7675, 77.1458,
92.9457


391.4356,
485.2610, 558.3827


 38.6457, 57.3725,
69.8390


 94.8917, 129.3453,
153.3945


 26.6637, 41.3044,
50.9193


 121.6248,
162.5403, 191.5736

 17.4561, 28.5570,
35.7681


 152.9591,
200.9780, 235.6140

 10.6575, 18.7460,
23.9669

 189.2599,
245.0428, 285.9340

 5.9026, 11.4869,
15.0971

230.8927,
295.1191, 342.9524

 2.8261, 6.3953,
8.7402

278.2226,

 1.0625, 3.0869,

351.5913, 407.0876

4.4776

331.6151,
414.8438, 478.7582

■ 0.0000, 1.1773,
1.8908

■ 0.0000, 0.0430,
0.4869

■ 53.7675, 77.1458,
92.9457

■ 53.7675, 77.1458,
92.9457

■ 51.5610, 76.0435,
91.3353

■ 56.7928, 78.6734,
94.6145

■ 50.0771, 75.3115,
89.7737


■ 60.7064, 80.6568,
96.3399

■ 49.2077, 74.8960,
88.2573


■ 65.5781, 83.1338,
98.1269


■ 48.9539, 74.7790,
87.6210


■ 71.4691, 86.1358,
99.9784

 78.4352, 89.6917,
101.8971

 86.5284, 93.8283,
103.8855

 93.2849, 97.2754,
105.8283

 93.5999, 97.4014,
107.4867

 93.7884, 97.4768,
108.4795

Harmonies

Analogous

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



54.9022, 77.1458, 62.6570



53.7675, 77.1458, 92.9457



57.4296, 77.1458, 128.5931

Triad

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



53.7675, 77.1458, 92.9457



87.5803, 77.1458, 143.5389



81.8242, 77.1458, 38.3693

Complementary

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



53.7675, 77.1458, 92.9457



45.3661, 28.0679, 14.8335

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.



91.9116, 77.1458, 51.1283



53.7675, 77.1458, 92.9457



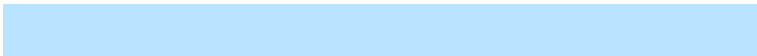
95.4665, 77.1458, 109.7075

Square

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



53.7675, 77.1458, 92.9457



76.3857, 77.1458, 162.3360



97.1282, 77.1458, 75.6450



70.3468, 77.1458, 36.0634

Rectangle

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



53.7675, 77.1458, 92.9457



62.3452, 77.1458, 148.8833



97.1282, 77.1458, 75.6450



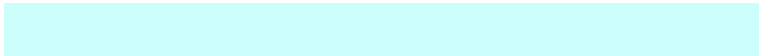
85.5232, 77.1458, 41.3829

Sweetspot

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



53.7698, 77.1488, 92.9475



78.0714, 91.3212, 104.7631



41.4072, 72.3643, 20.5911



16.2806, 19.3271, 22.3042



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.



53.7698, 77.1488, 92.9475



52.8558, 78.5313, 94.1306



38.0321, 42.5048, 97.4697



17.7033, 19.5836, 21.9042



25.7565, 39.3156, 46.1887



2.4025, 3.6481, 4.3675

Inverse Universe

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



45.3661, 28.0679, 14.8335



43.6257, 24.2916, 8.0890



53.1459, 44.5436, 14.6025



17.3001, 17.2474, 18.1701



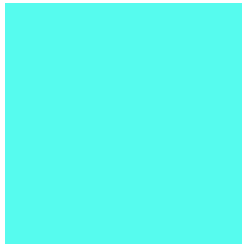
20.9972, 10.8146, 1.4278



1.9632, 1.0090, 0.2298

Previews

White Background



This preview shows how the XYZ color 53.7675, 77.1458, 92.9457 looks on a white background.

Color Contrast Check

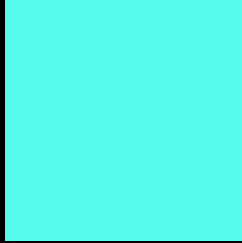
Large Text (above 18pt) WCAG AA × Fail

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 53.7675, 77.1458, 92.9457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

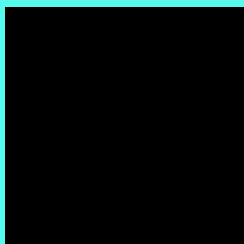
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

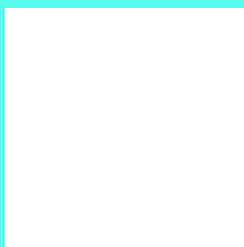
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.7675, 77.1458, 92.9457

Background



This preview shows how black text looks on a background with the XYZ color 53.7675, 77.1458, 92.9457.

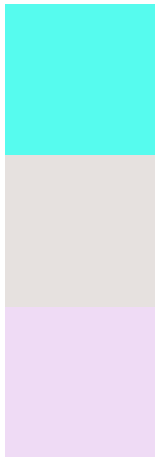


This preview shows how white text looks on a background with the XYZ color 53.7675, 77.1458,

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

53.7675, 77.1458, 92.9457

Protanopia

72.8776, 76.0011, 80.6407

Deuteranopia

77.4096, 75.6063, 96.8998



Tritanopia

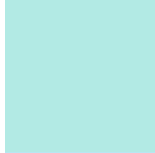
62.4542, 76.8060, 106.1411

Trichromacy



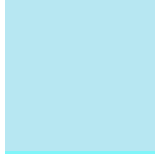
Original Color

53.7675, 77.1458, 92.9457



Protanomaly

61.7865, 73.9121, 84.4087



Deuteranomaly

64.1314, 73.6299, 94.8363



Tritanomaly

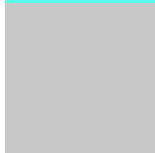
58.6534, 76.7336, 101.3422

Monochromacy



Original Color

53.7675, 77.1458, 92.9457



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.7672, 62.8890, 73.0287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7675, 77.1458, 92.9457 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(86, 251, 238)` looks like.

```
.text, #text, p{  
    color:rgb(86, 251, 238)  
}
```

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(86, 251, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 251, 238) }
```

Border

The CSS property to change the border of an element to XYZ 53.7675, 77.1458, 92.9457 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(86, 251, 238) }
```


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

```
.border{ border-color:rgb(86, 251, 238) }
```

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

Here you see how a box with a 4 pixel rgb(86, 251, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 251, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 251, 238);  
box-shadow:4px 4px 4px 4px rgb(86, 251,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7675, 77.1458, 92.9457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 251, 238) }
```

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

```
.background{ background-color: rgb(86, 251,  
238) }
```

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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