

Converting Colors

XYZ(38.1624, 51.2301, 78.0831)

Have a look what the booklet for
XYZ(38.1624, 51.2301, 78.0831)
contains.

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Color

**XYZ(38.2216, 51.2727,
78.4031)**

Conversions

Conversions Part 1

Format	Color
Hex	45CFE0
RGB	69, 207, 224
RGB Percent	27%, 81%, 88%
CMY	0.7294, 0.1882, 0.1216
CMYK	0.69, 0.08, 0.00, 0.12
HSL	187°, 71%, 57%
HSV	187°, 69%, 88%
XYZ	38.2216, 51.2727, 78.4031
YIQ	167.6760, -87.7050, -23.9690

Conversions

Conversions Part 2

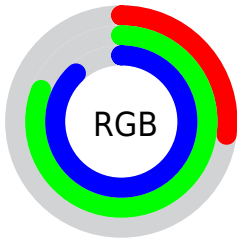
Format	Color
R _{YB}	69, 142, 224
Decimal	4575200
CIE _{Lab}	76.84, -31.13, -19.19
CIE _{LCh}	77, 36.569, 211.645
Yxy	51.2727, 0.2276, 0.3054
Android (android.graphics.Color)	4282765280 (0xFF45CFE0)
YUV	167.6760, 27.7677, -86.5389
Hunter-Lab	71.6050, -30.0282, -14.7955

Details

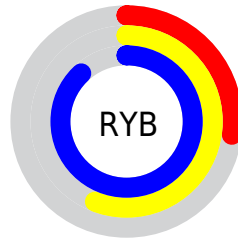
The XYZ color **38.2216, 51.2727, 78.4031** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **35.1437, 22.9341, 8.2062**, and the grayscale version is **36.9617, 38.8866, 42.3475**.

A 20% lighter version of the original color is **63.9633, 83.9742, 107.4452**, and **18.3897, 25.3210, 41.4543** is the 20% darker color. If you saturate the color by 10%, you get **36.3321, 49.4229, 78.1466**, and if you desaturate by 10%, it is **40.7230, 53.4538, 78.6932**.

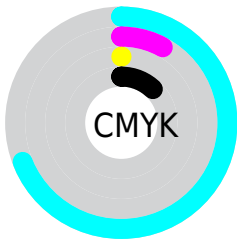
Distribution



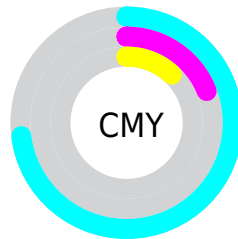
- Red (27%)
- Green (81%)
- Blue (88%)



- Red (27%)
- Yellow (56%)
- Blue (88%)



- Cyan (69%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)





- Cyan (73%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2216, 51.2727, 78.4031 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 38.2216, 51.2727, 78.4031 by changing the saturation by 10% instead.

 38.2216, 51.2727,
78.4031


 38.2216, 51.2727,
78.4031


329.8341,
391.6224, 509.0989


 26.3327, 36.4257,
57.8868


 71.7494, 92.0577,
132.9092

 17.2067, 24.7631,
41.3035


 94.1190, 118.7646,
167.7361

 10.4782, 15.9007,
28.2348


 120.7129,
150.1934, 208.1703

 5.7818, 9.4539,
18.2622

 151.8964,
186.7287, 254.6302

 2.7523, 5.0384,
10.9670

188.0349,
228.7549, 307.5345

 1.0242, 2.2698,
5.9308

229.4938,

 0.0000, 0.7577,

276.6563, 367.3017

2.7349

276.6384,
330.8173, 434.3503

■ 0.0000, 0.0000,
0.9609

■ 0.0000, 0.0000,
0.0000

■ 38.2216, 51.2727,
78.4031

■ 38.2216, 51.2727,
78.4031

■ 36.3321, 49.4229,
78.1466

■ 40.7230, 53.4538,
78.6932

■ 34.9780, 47.8619,
77.9167


■ 43.8920, 55.9917,
79.0161


■ 34.0468, 46.5324,
77.7091


■ 47.7833, 58.9159,
79.3754


■ 33.9783, 46.4291,
77.6928


■ 52.4445, 62.2510,
79.7734

 57.9194, 66.0195,
80.2123

 64.2483, 70.2422,
80.6938

 71.4686, 74.9387,
81.2197

 79.6159, 80.1272,
81.7918

 82.7453, 82.7431,
82.1318

Harmonies

Analogous

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



36.5616, 51.2727, 56.9326



38.2216, 51.2727, 78.4031



42.6595, 51.2727, 96.7207

Triad

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



38.2216, 51.2727, 78.4031



61.4608, 51.2727, 76.0420



48.3507, 51.2727, 25.6505

Complementary

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



38.2216, 51.2727, 78.4031



35.1437, 22.9341, 8.2062

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.



55.3576, 51.2727, 28.4721



38.2216, 51.2727, 78.4031



63.3444, 51.2727, 54.7363

Square

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



38.2216, 51.2727, 78.4031



56.0837, 51.2727, 95.1453



61.0143, 51.2727, 38.0633



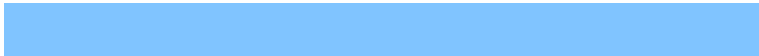
42.0547, 51.2727, 29.1789

Rectangle

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



38.2216, 51.2727, 78.4031



46.8175, 51.2727, 102.8833



61.0143, 51.2727, 38.0633



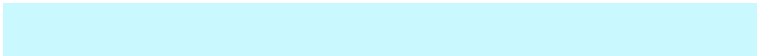
50.7004, 51.2727, 25.8837

Sweetspot

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



38.2232, 51.2746, 78.4043



76.1735, 87.5299, 107.4879



30.7311, 55.2256, 17.5322



15.8561, 18.4282, 22.9712



0.0000, 0.0000, 0.0000



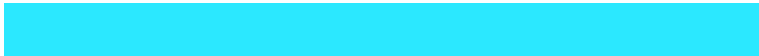
20.3446, 21.4041, 23.3091

Same Dimension

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



38.2232, 51.2746, 78.4043



47.8580, 65.3352, 104.6963



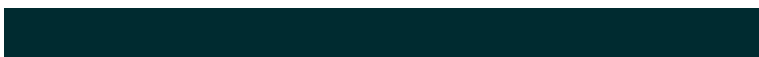
24.0268, 22.8817, 73.6722



13.9815, 15.3021, 17.6044



19.8299, 27.1294, 45.2397



1.4117, 1.9548, 3.1482

Inverse Universe

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



44.1324, 24.6100, 61.4577



56.6520, 28.8275, 78.7645



44.7365, 42.1195, 11.4038



14.2269, 13.9084, 16.9649



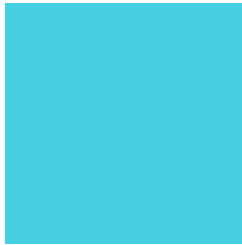
23.9494, 11.6468, 32.7291



1.6788, 0.8148, 2.3674

Previews

White Background



This preview shows how the XYZ color 38.2216, 51.2727, 78.4031 looks on a white background.

Color Contrast Check

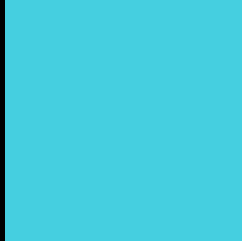
Large Text (above 18pt) WCAG AA × Fail

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 38.2216, 51.2727, 78.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

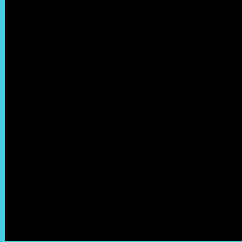
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2216, 51.2727, 78.4031

Background



This preview shows how black text looks on a background with the XYZ color 38.2216, 51.2727, 78.4031.



This preview shows how white text looks on a background with the XYZ color 38.2216, 51.2727,

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

38.2216, 51.2727, 78.4031

Protanopia

49.5358, 50.5581, 68.7759

Deuteranopia

51.5330, 50.3772, 81.1364



Tritanopia

38.2216, 51.2727, 78.4031

Trichromacy



Original Color

38.2216, 51.2727, 78.4031



Protanomaly

43.0141, 49.3811, 72.2302



Deuteranomaly

44.0425, 49.0850, 79.8261



Tritanomaly

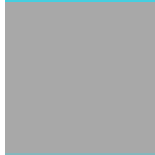
38.2216, 51.2727, 78.4031

Monochromacy



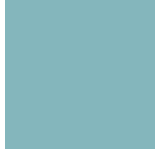
Original Color

38.2216, 51.2727, 78.4031



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.3208, 41.9923, 53.8207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2216, 51.2727, 78.4031 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(69, 207, 224)` looks like.

```
.text, #text, p{  
    color:rgb(69, 207, 224)  
}
```

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(69, 207, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 207, 224) }
```

Border

The CSS property to change the border of an element to XYZ 38.2216, 51.2727, 78.4031 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(69, 207, 224) }
```


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

```
.border{ border-color:rgb(69, 207, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 207, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 207, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 207, 224);  
box-shadow:4px 4px 4px 4px rgb(69, 207,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2216, 51.2727, 78.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 207, 224) }
```

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

```
.background{ background-color: rgb(69, 207,  
224) }
```

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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