

Converting Colors

XYZ(35.8927, 48.6516, 78.0200)

Have a look what the booklet for
XYZ(35.8927, 48.6516, 78.0200)
contains.

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Color

**XYZ(35.8927, 48.6516,
78.0200)**

Conversions

Conversions Part 1

Format	Color
Hex	2DCBE0
RGB	45, 203, 224
RGB Percent	18%, 80%, 88%
CMY	0.8235, 0.2039, 0.1216
CMYK	0.80, 0.09, 0.00, 0.12
HSL	187°, 74%, 53%
HSV	187°, 80%, 88%
XYZ	35.8927, 48.6516, 78.0200
YIQ	158.1520, -100.9090, -26.9650

Conversions

Conversions Part 2

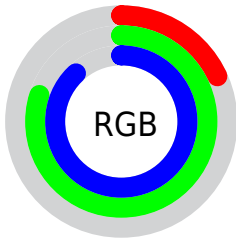
Format	Color
R _Y B	45, 129, 224
Decimal	3001312
CIE Lab	75.23, -31.85, -21.67
CIE LCh	75, 38.520, 214.232
Yxy	48.6516, 0.2208, 0.2993
Android (android.graphics.Color)	4281191392 (0xFF2DCBE0)
YUV	158.1520, 32.4631, -99.2343
Hunter-Lab	69.7507, -30.2102, -17.4936

Details

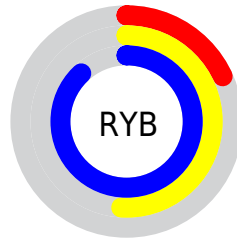
The XYZ color **35.8927, 48.6516, 78.0200** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.1639, 19.9353, 4.5842**, and the grayscale version is **32.4612, 34.1517, 37.1913**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **17.7513, 24.0444, 41.2416** is the 20% darker color. If you saturate the color by 10%, you get **34.5406, 47.0420, 77.7815**, and if you desaturate by 10%, it is **37.7807, 50.5550, 78.2888**.

Distribution



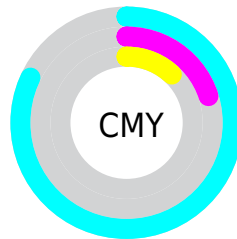
- Red (18%)
- Green (80%)
- Blue (88%)



- Red (18%)
- Yellow (51%)
- Blue (88%)



- Cyan (80%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)





- Cyan (82%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8927, 48.6516, 78.0200 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 35.8927, 48.6516, 78.0200 by changing the saturation by 10% instead.


 35.8927, 48.6516,
78.0200


 35.8927, 48.6516,
78.0200


319.9307,
381.3691, 507.7645


 24.5211, 34.3432,
57.5739


 68.1914, 88.1738,
132.3644

 15.8474, 23.1574,
41.0537


 89.8491, 114.1563,
167.0998


 9.5064, 14.7098,
28.0410


 115.6663,
144.7991, 207.4354

 5.1327, 8.6159,
18.1173

 146.0082,
180.4864, 253.7896

 2.3609, 4.4915,
10.8639

 181.2403,
221.6026, 306.5811

 0.8255, 1.9521,
5.8624

221.7278,

 0.0000, 0.5794,

268.5323, 366.2284

2.6941

267.8362,
321.6596, 433.1500

■ 0.0000, 0.0000,
0.9405

■ 0.0000, 0.0000,
0.0000

■ 35.8927, 48.6516,
78.0200

■ 35.8927, 48.6516,
78.0200

■ 34.5406, 47.0420,
77.7815

■ 37.7807, 50.5550,
78.2888

■ 33.5937, 45.6558,
77.5639

■ 40.2724, 52.7844,
78.5878

■ 33.5852, 45.6429,
77.5618

■ 43.4306, 55.3732,
78.9210

■ 47.3088, 58.3490,
79.2910

■ 51.9551, 61.7366,
79.7000

■ 57.4135, 65.5589,
80.1501

■ 63.7243, 69.8367,
80.6432

■ 70.9255, 74.5896,
81.1810

■ 79.0525, 79.8361,
81.7654

Harmonies

Analogous

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



33.9712, 48.6516, 55.8976



35.8927, 48.6516, 78.0200



40.5826, 48.6516, 96.3169

Triad

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



35.8927, 48.6516, 78.0200



59.5904, 48.6516, 71.7560



45.2463, 48.6516, 22.8695

Complementary

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



35.8927, 48.6516, 78.0200



33.1639, 19.9353, 4.5842

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.



52.4042, 48.6516, 25.0874



35.8927, 48.6516, 78.0200



61.1601, 48.6516, 50.1528

Square

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



35.8927, 48.6516, 78.0200



54.3150, 48.6516, 92.1015



58.4107, 48.6516, 33.9583



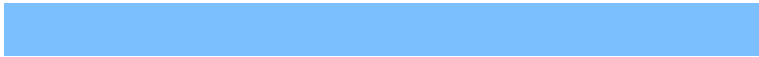
39.0112, 48.6516, 26.8731

Rectangle

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



35.8927, 48.6516, 78.0200



44.8897, 48.6516, 101.8923



58.4107, 48.6516, 33.9583



47.6209, 48.6516, 22.9215

Sweetspot

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



35.8942, 48.6534, 78.0212



73.7589, 85.6871, 107.2595



28.7193, 54.2624, 14.0985



15.2342, 17.9516, 22.9120



0.0000, 0.0000, 0.0000



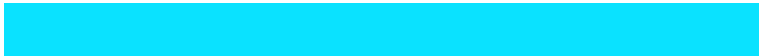
20.3446, 21.4041, 23.3091

Same Dimension

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



35.8942, 48.6534, 78.0212



45.4503, 61.8310, 104.1468



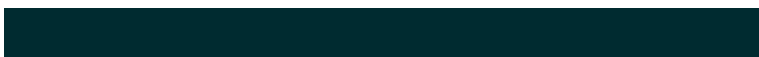
20.5130, 17.8909, 72.8941



13.9721, 15.2834, 17.6013



19.6041, 26.6778, 45.1644



1.3982, 1.9279, 3.1437

Inverse Universe

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



42.4597, 22.0375, 58.5175



55.1167, 26.9878, 74.4574



43.0013, 39.6100, 7.8634



14.2221, 13.9065, 16.9400



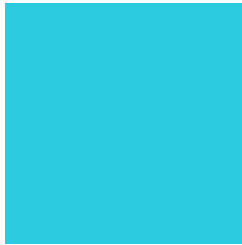
23.8355, 11.6012, 32.1289



1.6720, 0.8121, 2.3317

Previews

White Background



This preview shows how the XYZ color 35.8927, 48.6516, 78.0200 looks on a white background.

Color Contrast Check

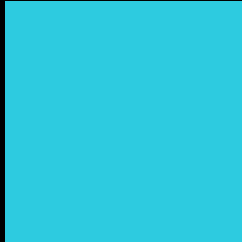
Large Text (above 18pt) WCAG AA × Fail

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 35.8927, 48.6516, 78.0200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

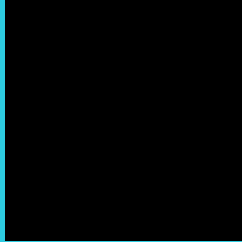
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8927, 48.6516, 78.0200

Background



This preview shows how black text looks on a background with the XYZ color 35.8927, 48.6516, 78.0200.



This preview shows how white text looks on a background with the XYZ color 35.8927, 48.6516,

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

35.8927, 48.6516, 78.0200

Protanopia

46.9512, 47.6927, 67.7038

Deuteranopia

48.8242, 47.7646, 80.7749



Tritanopia

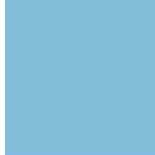
35.4256, 48.8245, 75.2671

Trichromacy



Original Color

35.8927, 48.6516, 78.0200



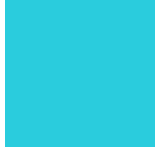
Protanomaly

39.8851, 46.4790, 71.1592



Deuteranomaly

41.0543, 46.2583, 79.4380



Tritanomaly

35.5989, 48.8984, 75.9687

Monochromacy



Original Color

35.8927, 48.6516, 78.0200



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.9157, 37.4314, 49.8515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8927, 48.6516, 78.0200 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(45, 203, 224)` looks like.

```
.text, #text, p{  
    color:rgb(45, 203, 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(45, 203, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 203, 224) }
```

Border

The CSS property to change the border of an element to XYZ 35.8927, 48.6516, 78.0200 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(45, 203, 224) }
```


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

```
.border{ border-color:rgb(45, 203, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 203, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 203, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 203, 224);  
box-shadow:4px 4px 4px 4px rgb(45, 203,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8927, 48.6516, 78.0200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 203, 224) }
```

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

```
.background{ background-color: rgb(45, 203,  
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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