

Converting Colors

XYZ(48.4341, 67.9623, 83.0785)

Have a look what the booklet for
XYZ(48.4341, 67.9623, 83.0785)
contains.

XYZ(48.3748, 67.8641, 83.2225)	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(48.3748, 67.8641,
83.2225)**

Conversions

Conversions Part 1

Format	Color
Hex	5DECE3
RGB	93, 236, 227
RGB Percent	36%, 93%, 89%
CMY	0.6353, 0.0745, 0.1098
CMYK	0.61, 0.00, 0.04, 0.07
HSL	176°, 79%, 65%
HSV	176°, 61%, 93%
XYZ	48.3748, 67.8641, 83.2225
YIQ	192.2170, -82.3390, -33.1150

Conversions

Conversions Part 2

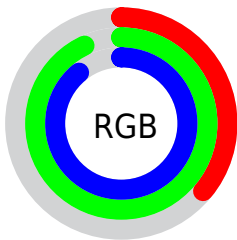
Format	Color
RYB	93, 167, 236
Decimal	6155491
CIELab	85.94, -40.18, -7.11
CIELCh	86, 40.807, 190.028
Yxy	67.8641, 0.2425, 0.3402
Android (android.graphics.Color)	4284345571 (0xFF5DECE3)
YUV	192.2170, 17.1480, -87.0133
Hunter-Lab	82.3797, -39.3461, -2.2308

Details

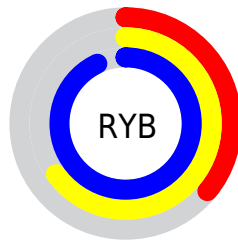
The XYZ color **48.3748, 67.8641, 83.2225** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **40.9070, 26.6230, 15.5555**, and the grayscale version is **50.1692, 52.7819, 57.4794**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **23.7677, 35.6211, 44.6526** is the 20% darker color. If you saturate the color by 10%, you get **46.1408, 66.7376, 82.0535**, and if you desaturate by 10%, it is **51.3514, 69.3764, 84.4385**.

Distribution



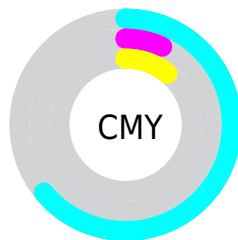
- Red (36%)
- Green (93%)
- Blue (89%)



- Red (36%)
- Yellow (65%)
- Blue (93%)



- Cyan (61%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)





- Cyan (64%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3748, 67.8641, 83.2225 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 48.3748, 67.8641, 83.2225 by changing the saturation by 10% instead.


 48.3748, 67.8641,
83.2225


 48.3748, 67.8641,
83.2225


370.8337,
453.0144, 525.7182


 34.3363, 49.7872,
61.8320


 86.9685, 116.1577,
139.7391


 23.3162, 35.2443,
44.4621

 112.2544,
147.1432, 175.7023

 14.9491, 23.8511,
30.6941


 142.0201,
183.2003, 217.3601

 8.8698, 15.2232,
20.1095

 176.6310,
224.7135, 265.1312

 4.7128, 8.9762,
12.2898

216.4525,
272.0671, 319.4339

 2.1127, 4.7257,
6.8164

261.8499,

 0.6961, 2.0872,

325.6455, 380.6870

3.2709

313.1885,
385.8331, 449.3089

■ 0.0000, 0.6574,
1.2345

■ 0.0000, 0.0000,
0.0072

■ 48.3748, 67.8641,
83.2225

■ 48.3748, 67.8641,
83.2225

■ 46.1408, 66.7376,
82.0535

■ 51.3514, 69.3764,
84.4385

■ 44.5732, 65.9528,
80.9234


■ 55.1260, 71.2982,
85.6996

■ 43.5899, 65.4691,
79.8299


■ 59.7555, 73.6606,
87.0100


■ 43.0672, 65.2213,
78.8282


■ 65.2902, 76.4895,
88.3720

 71.7763, 79.8085,
89.7879

 79.2567, 83.6400,
91.2597

 86.5813, 87.3910,
92.7336

 86.7999, 87.4784,
93.8843

 87.0202, 87.5665,
95.0445

Harmonies

Analogous

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



49.0433, 67.8641, 57.6701



48.3748, 67.8641, 83.2225



51.6968, 67.8641, 112.1856

Triad

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



48.3748, 67.8641, 83.2225



76.7658, 67.8641, 120.7262



70.8379, 67.8641, 35.3065

Complementary

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



48.3748, 67.8641, 83.2225



40.9070, 26.6230, 15.5555

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.



79.2660, 67.8641, 45.4862



48.3748, 67.8641, 83.2225



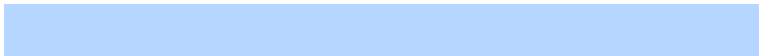
82.9110, 67.8641, 92.9031

Square

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



48.3748, 67.8641, 83.2225



67.6832, 67.8641, 137.0468



83.8677, 67.8641, 65.2872



61.4236, 67.8641, 33.9141

Rectangle

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



48.3748, 67.8641, 83.2225



55.9348, 67.8641, 128.0484



83.8677, 67.8641, 65.2872



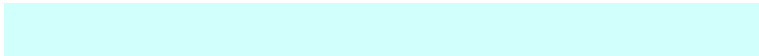
73.9039, 67.8641, 37.6723

Sweetspot

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



48.3768, 67.8667, 83.2241



79.6710, 92.1252, 105.7701



37.5135, 63.6399, 20.6642



16.5978, 19.4858, 22.5352



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.



48.3768, 67.8667, 83.2241



54.4238, 79.2678, 97.4487



34.7993, 38.6709, 84.9898



15.4743, 17.1046, 19.1807



23.7569, 35.9572, 43.5464



1.8779, 2.8285, 3.4849

Inverse Universe

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



40.9070, 26.6230, 15.5555



44.8280, 26.0854, 10.3723



48.2861, 42.0574, 15.9305



15.1039, 15.0694, 15.8325



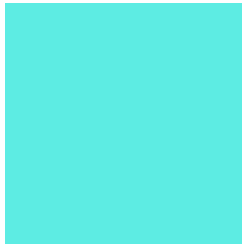
19.1305, 9.8549, 1.2227



1.5157, 0.7793, 0.1673

Previews

White Background



This preview shows how the XYZ color 48.3748, 67.8641, 83.2225 looks on a white background.

Color Contrast Check

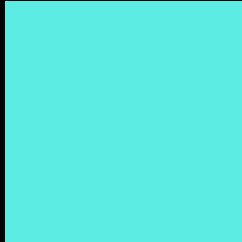
Large Text (above 18pt) WCAG AA × Fail

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 48.3748, 67.8641, 83.2225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

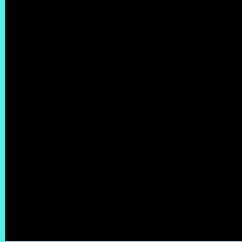
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

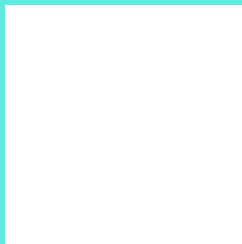
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3748, 67.8641, 83.2225

Background



This preview shows how black text looks on a background with the XYZ color 48.3748, 67.8641, 83.2225.

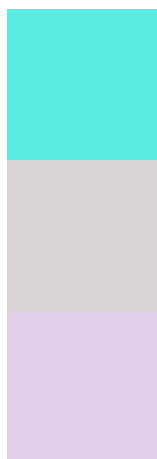


This preview shows how white text looks on a background with the XYZ color 48.3748, 67.8641,

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

48.3748, 67.8641, 83.2225

Protanopia

64.1690, 66.6428, 72.4321

Deuteranopia

68.0721, 66.5164, 86.3420



Tritanopia

51.8627, 67.5618, 101.5741

Trichromacy



Original Color

48.3748, 67.8641, 83.2225



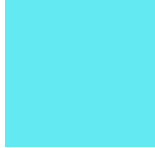
Protanomaly

55.5246, 65.5455, 76.0548



Deuteranomaly

57.6267, 65.2594, 85.1604



Tritanomaly

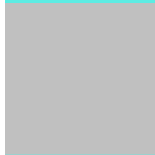
50.3115, 67.3413, 94.3509

Monochromacy



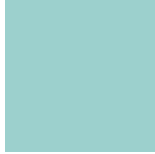
Original Color

48.3748, 67.8641, 83.2225



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.2856, 56.5874, 66.1879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3748, 67.8641, 83.2225 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(93, 236, 227)` looks like.

```
.text, #text, p{  
    color:rgb(93, 236, 227)  
}
```

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(93, 236, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 236, 227) }
```

Border

The CSS property to change the border of an element to XYZ 48.3748, 67.8641, 83.2225 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(93, 236, 227) }
```


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

```
.border{ border-color:rgb(93, 236, 227) }
```

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

Here you see how a box with a 4 pixel rgb(93, 236, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 236, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 236, 227);  
box-shadow:4px 4px 4px 4px rgb(93, 236,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3748, 67.8641, 83.2225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 236, 227) }
```

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

```
.background{ background-color: rgb(93, 236,  
227) }
```

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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