

Converting Colors

XYZ(42.3708, 50.0845, 66.4665)

Have a look what the booklet for
XYZ(42.3708, 50.0845, 66.4665)
contains.

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Color

**XYZ(42.3841, 50.1883,
66.4849)**

Conversions

Conversions Part 1

Format	Color
Hex	8EC5CF
RGB	142, 197, 207
RGB Percent	56%, 77%, 81%
CMY	0.4431, 0.2274, 0.1882
CMYK	0.31, 0.05, 0.00, 0.19
HSL	189°, 40%, 68%
HSV	189°, 31%, 81%
XYZ	42.3841, 50.1883, 66.4849
YIQ	181.6950, -35.9900, -8.5500

Conversions

Conversions Part 2

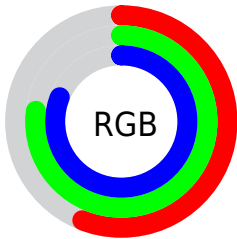
Format	Color
RYB	142, 172, 207
Decimal	9356751
CIELab	76.18, -15.35, -10.74
CIELCh	76, 18.734, 214.965
Yxy	50.1883, 0.2665, 0.3155
Android (android.graphics.Color)	4287546831 (0xFF8EC5CF)
YUV	181.6950, 12.4754, -34.8125
Hunter-Lab	70.8437, -17.1842, -6.0515

Details

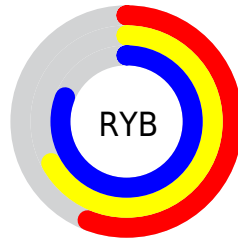
The XYZ color **42.3841, 50.1883, 66.4849** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.8436, 37.6754, 30.6591**, and the grayscale version is **44.2472, 46.5515, 50.6946**.

A 20% lighter version of the original color is **76.5178, 89.9739, 107.9415**, and **19.6921, 24.0687, 33.7448** is the 20% darker color. If you saturate the color by 10%, you get **38.4420, 47.0953, 66.0965**, and if you desaturate by 10%, it is **47.0040, 53.6558, 66.9116**.

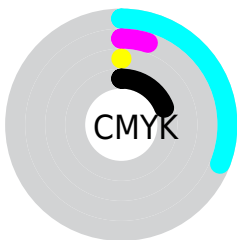
Distribution



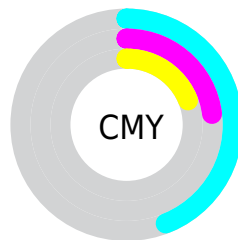
- Red (56%)
- Green (77%)
- Blue (81%)



- Red (56%)
- Yellow (67%)
- Blue (81%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)



- Cyan (44%)
- Magenta (23%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3841, 50.1883, 66.4849 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 42.3841, 50.1883, 66.4849 by changing the saturation by 10% instead.

■ 42.3841, 50.1883,
66.4849

■ 42.3841, 50.1883,
66.4849

347.0373,
387.4019, 466.5605

■ 29.5946, 35.5630,
48.2072

■ 78.0421, 90.4538,
115.8156

■ 19.6776, 24.0969,
33.6298

■ 101.6414,
116.8628, 147.7057

■ 12.2678, 15.4055,
22.3343

129.5746,
147.9686, 184.9704

■ 6.9998, 9.1045,
13.9021

162.2071,
184.1554, 228.0281

■ 3.5083, 4.8094,
7.9146

199.9042,
225.8078, 277.2974

■ 1.4279, 2.1359,
3.9534

243.0314,

■ 0.2760, 0.6847,

273.3101, 333.1969

1.5998

291.9540,
327.0466, 396.1451

■ 0.0000, 0.0000,
0.2907

■ 0.0000, 0.0000,
0.0000

■ 42.3841, 50.1883,
66.4849

■ 42.3841, 50.1883,
66.4849

■ 38.4420, 47.0953,
66.0965

■ 47.0040, 53.6558,
66.9116

■ 35.1366, 44.3518,
65.7412

■ 52.3310, 57.5095,
67.3746

■ 32.4290, 41.9390,
65.4182

■ 58.3982, 61.7677,
67.8768

■ 30.2745, 39.8334,
65.1253

■ 65.2351, 66.4458,
68.4194

■ 28.6216, 38.0086,
64.8602

■ 72.8699, 71.5583,
69.0038

■ 27.4089, 36.4327,
64.6199

■ 77.0861, 74.9319,
69.4327

■ 26.6241, 35.2280,
64.4288

■ 77.9103, 76.5803,
69.7075

■ 78.7504, 78.2605,
69.9875

■ 79.6065, 79.9727,
70.2729

Harmonies

Analogous

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



41.2915, 50.1883, 56.3359



42.3841, 50.1883, 66.4849



44.9039, 50.1883, 74.0905

Triad

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



42.3841, 50.1883, 66.4849



54.0805, 50.1883, 63.2382



47.1209, 50.1883, 37.5679

Complementary

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



42.3841, 50.1883, 66.4849



41.8436, 37.6754, 30.6591

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.



50.6150, 50.1883, 38.9420



42.3841, 50.1883, 66.4849



54.7449, 50.1883, 52.9912

Square

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



42.3841, 50.1883, 66.4849



51.6744, 50.1883, 72.0607



53.4481, 50.1883, 44.3041



43.9394, 50.1883, 40.2915

Rectangle

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



42.3841, 50.1883, 66.4849



47.1127, 50.1883, 76.2435



53.4481, 50.1883, 44.3041



48.2971, 50.1883, 37.5695

Sweetspot

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



42.3856, 50.1903, 66.4861



85.9891, 93.6725, 108.1562



39.1163, 52.6362, 37.6979



18.1119, 19.8418, 23.1252



0.0000, 0.0000, 0.0000



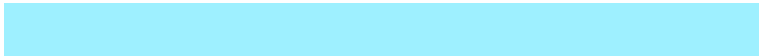
20.3446, 21.4041, 23.3091

Same Dimension

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



42.3856, 50.1903, 66.4861



63.3584, 76.8756, 106.1069



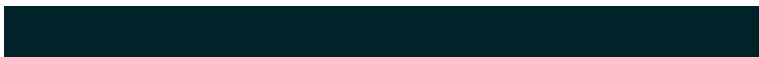
35.8290, 37.0772, 64.3005



11.9970, 13.0843, 15.1369



16.8305, 22.3075, 40.6112



0.9839, 1.3330, 2.2850

Inverse Universe

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



45.4844, 36.6439, 57.5012



69.2263, 52.0448, 88.9095



47.8081, 49.6044, 32.6473



12.2294, 11.9765, 14.4838



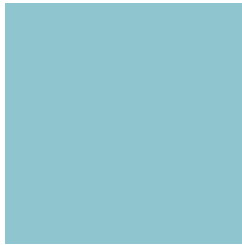
21.1260, 10.3232, 26.6332



1.2029, 0.5859, 1.6030

Previews

White Background



This preview shows how the XYZ color 42.3841, 50.1883, 66.4849 looks on a white background.

Color Contrast Check

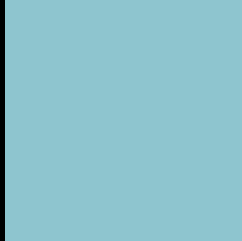
Large Text (above 18pt) WCAG AA × Fail

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 42.3841, 50.1883, 66.4849 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 42.3841, 50.1883, 66.4849

Background



This preview shows how black text looks on a background with the XYZ color 42.3841, 50.1883, 66.4849.



This preview shows how white text looks on a background with the XYZ color 42.3841, 50.1883,

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

42.3841, 50.1883, 66.4849

Protanopia

48.4777, 49.8527, 61.7111

Deuteranopia

50.8665, 49.7111, 67.8870



Tritanopia

42.9513, 50.0730, 69.6886

Trichromacy



Original Color

42.3841, 50.1883, 66.4849

Protanomaly

45.9875, 49.7966, 63.6878

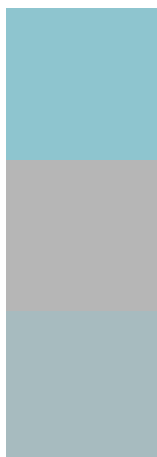
Deuteranomaly

47.1834, 49.3742, 67.3649

Tritanomaly

42.7005, 49.9726, 68.3679

Monochromacy



Original Color

42.3841, 50.1883, 66.4849

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.1106, 47.5177, 56.1899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3841, 50.1883, 66.4849 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(142, 197, 207)` looks like.

```
.text, #text, p{  
    color:rgb(142, 197, 207)  
}
```

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(142, 197, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 197, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.3841, 50.1883, 66.4849 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(142, 197, 207) }
```


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

```
.border{ border-color:rgb(142, 197, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 197, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 197, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 197, 207);  
box-shadow:4px 4px 4px 4px rgb(142, 197,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3841, 50.1883, 66.4849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 197, 207) }
```

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

```
.background{ background-color: rgb(142,  
197, 207) }
```

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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