

Converting Colors

XYZ(41.7085, 50.7051, 67.1119)

Have a look what the booklet for
XYZ(41.7085, 50.7051, 67.1119)
contains.

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Color

**XYZ(41.8710, 50.9310,
67.2983)**

Conversions

Conversions Part 1

Format	Color
Hex	86C8D0
RGB	134, 200, 208
RGB Percent	53%, 78%, 82%
CMY	0.4745, 0.2157, 0.1843
CMYK	0.36, 0.04, 0.00, 0.18
HSL	186°, 44%, 67%
HSV	186°, 36%, 82%
XYZ	41.8710, 50.9310, 67.2983
YIQ	181.1780, -41.9040, -11.5040

Conversions

Conversions Part 2

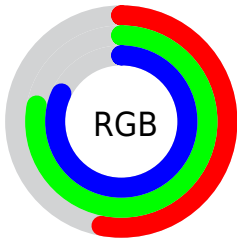
Format	Color
RYB	134, 169, 208
Decimal	8833232
CIELab	76.64, -18.85, -10.64
CIELCh	77, 21.648, 209.453
Yxy	50.9310, 0.2615, 0.3181
Android (android.graphics.Color)	4287023312 (0xFF86C8D0)
YUV	181.1780, 13.2232, -41.3751
Hunter-Lab	71.3660, -20.1630, -5.9545

Details

The XYZ color **41.8710, 50.9310, 67.2983** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9893, 34.4777, 27.1027**, and the grayscale version is **43.9655, 46.2551, 50.3718**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **19.4199, 24.5963, 34.2959** is the 20% darker color. If you saturate the color by 10%, you get **38.3598, 48.3549, 66.9870**, and if you desaturate by 10%, it is **46.0449, 53.8626, 67.6450**.

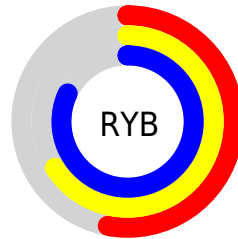
Distribution



Red (53%)

Green (78%)

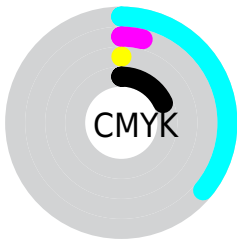
Blue (82%)



Red (53%)

Yellow (66%)

Blue (82%)

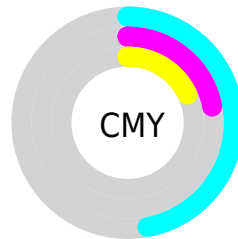


Cyan (36%)

Magenta (4%)

Yellow (0%)

Black (18%)



Cyan (47%)


Magenta (22%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8710, 50.9310, 67.2983 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 41.8710, 50.9310, 67.2983 by changing the saturation by 10% instead.


 41.8710, 50.9310,
67.2983


 41.8710, 50.9310,
67.2983


344.9486,
390.2956, 469.5362

 29.1910, 36.1537,
48.8640


 77.2707, 91.5528,
116.9924

 19.3703, 24.5529,
34.1467


 100.7212,
118.1660, 149.0893

 12.0438, 15.7443,
22.7281


 128.4924,
149.4934, 186.5775

 6.8459, 9.3434,
14.1894

160.9498,
185.9193, 229.8755

 3.4114, 4.9658,
8.1123

198.4588,
227.8280, 279.4018

 1.3749, 2.2272,
4.0781

241.3847,

 0.2382, 0.7348,

275.6041, 335.5750

1.6683

290.0929,
329.6318, 398.8136

■ 0.0000, 0.0000,
0.3389

■ 0.0000, 0.0000,
0.0000

■ 41.8710, 50.9310,
67.2983

■ 41.8710, 50.9310,
67.2983

■ 38.3598, 48.3549,
66.9870

■ 46.0449, 53.8626,
67.6450

■ 35.4684, 46.1083,
66.7058

■ 50.9122, 57.1618,
68.0253

■ 33.1557, 44.1714,
66.4538

■ 56.5073, 60.8477,
68.4419

■ 31.3740, 42.5194,
66.2288

■ 62.8607, 64.9360,
68.8961

■ 30.0676, 41.1237,
66.0283

■ 70.0015, 69.4418,
69.3895

■ 29.1682, 39.9489,
65.8489

■ 76.5435, 73.6505,
69.8570

■ 28.8434, 39.4703,
65.7737

■ 77.1146, 74.7928,
70.0474

■ 77.6936, 75.9508,
70.2404

■ 78.2806, 77.1246,
70.4360

Harmonies

Analogous

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



40.9543, 50.9310, 55.2403



41.8710, 50.9310, 67.2983



44.5160, 50.9310, 77.2300

Triad

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



41.8710, 50.9310, 67.2983



55.5107, 50.9310, 67.7233



48.4836, 50.9310, 35.8250

Complementary

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



41.8710, 50.9310, 67.2983



39.9893, 34.4777, 27.1027

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.



52.5213, 50.9310, 38.2141



41.8710, 50.9310, 67.2983



56.7161, 50.9310, 55.6707

Square

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



41.8710, 50.9310, 67.2983



52.3840, 50.9310, 77.4987



55.5931, 50.9310, 45.0900



44.6392, 50.9310, 38.0465

Rectangle

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



41.8710, 50.9310, 67.2983



46.9815, 50.9310, 80.7086



55.5931, 50.9310, 45.0900



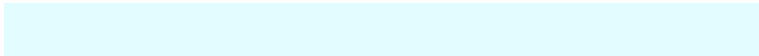
49.8639, 50.9310, 36.1096

Sweetspot

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



41.8725, 50.9330, 67.2995



84.5133, 93.1437, 108.1320



37.2260, 52.1161, 33.4543



17.8332, 19.7673, 23.1255



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.



41.8725, 50.9330, 67.2995



61.8841, 77.4621, 106.2978



34.4218, 36.0316, 64.8159



12.0447, 13.1797, 15.1528



18.0198, 24.6863, 41.0077



1.0395, 1.4442, 2.3035

Inverse Universe

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



44.9641, 34.6315, 58.9605



67.6192, 48.0980, 90.6321



46.3166, 47.1325, 29.2119



12.2535, 11.9861, 14.6105



21.7263, 10.5634, 29.7946



1.2309, 0.5971, 1.7509

Previews

White Background



This preview shows how the XYZ color 41.8710, 50.9310, 67.2983 looks on a white background.

Color Contrast Check

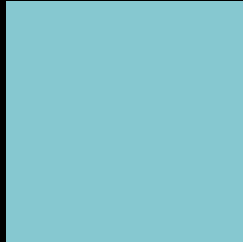
Large Text (above 18pt) WCAG AA × Fail

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 41.8710, 50.9310, 67.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

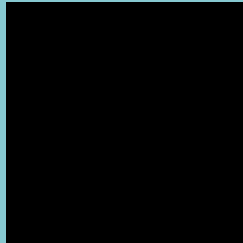
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8710, 50.9310, 67.2983

Background



This preview shows how black text looks on a background with the XYZ color 41.8710, 50.9310, 67.2983.

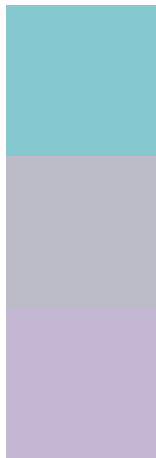


This preview shows how white text looks on a background with the XYZ color 41.8710, 50.9310,

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

41.8710, 50.9310, 67.2983

Protanopia

48.9347, 50.4021, 61.7930

Deuteranopia

51.5821, 50.3562, 69.2884



Tritanopia

42.8425, 50.9874, 71.8735

Trichromacy



Original Color

41.8710, 50.9310, 67.2983

Protanomaly

45.7776, 50.3359, 63.8030

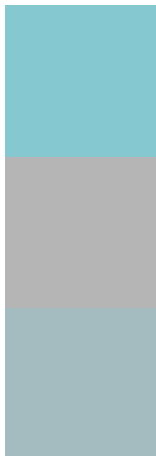
Deuteranomaly

47.1890, 49.9826, 68.7885

Tritanomaly

42.2988, 50.7512, 69.8539

Monochromacy



Original Color

41.8710, 50.9310, 67.2983

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.6970, 47.6205, 56.2315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8710, 50.9310, 67.2983 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(134, 200, 208)` looks like.

```
.text, #text, p{  
    color:rgb(134, 200, 208)  
}
```

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(134, 200, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 200, 208) }
```

Border

The CSS property to change the border of an element to XYZ 41.8710, 50.9310, 67.2983 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(134, 200, 208) }
```


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

```
.border{ border-color:rgb(134, 200, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 200, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 200, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 200, 208); box-shadow:4px 4px 4px 4px rgb(134, 200, 208) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8710, 50.9310, 67.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 200, 208) }
```

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

```
.background{ background-color: rgb(134,  
200, 208) }
```

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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