

Converting Colors

XYZ(33.8227, 43.7205, 68.9436)

Have a look what the booklet for
XYZ(33.8227, 43.7205, 68.9436)
contains.

XYZ(33.8227, 43.7205, 68.9436)	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(33.8227, 43.7205,
68.9436)**

Conversions

Conversions Part 1

Format	Color
Hex	50BFD4
RGB	80, 191, 212
RGB Percent	31%, 75%, 83%
CMY	0.6862, 0.2510, 0.1686
CMYK	0.62, 0.10, 0.00, 0.17
HSL	190°, 61%, 57%
HSV	190°, 62%, 83%
XYZ	33.8227, 43.7205, 68.9436
YIQ	160.2050, -72.8970, -17.0010

Conversions

Conversions Part 2

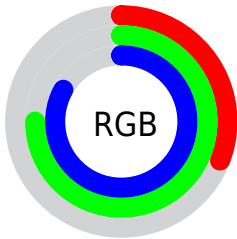
Format	Color
R _Y B	80, 140, 212
Decimal	5291988
CIE Lab	72.04, -25.17, -19.95
CIE LCh	72, 32.115, 218.395
Yxy	43.7205, 0.2309, 0.2985
Android (android.graphics.Color)	4283482068 (0xFF50BFD4)
YUV	160.2050, 25.5349, -70.3398
Hunter-Lab	66.1215, -24.4056, -15.5355

Details

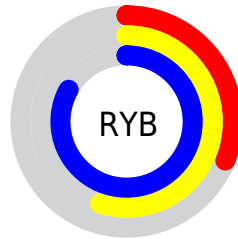
The XYZ color **33.8227, 43.7205, 68.9436** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **33.2542, 23.8849, 10.4483**, and the grayscale version is **33.4196, 35.1600, 38.2892**.

A 20% lighter version of the original color is **62.7727, 80.1056, 106.7612**, and **15.0315, 20.3256, 35.0293** is the 20% darker color. If you saturate the color by 10%, you get **31.5803, 41.4861, 68.6313**, and if you desaturate by 10%, it is **36.6493, 46.2831, 69.2901**.

Distribution



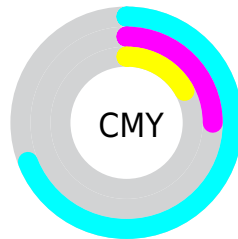
- Red (31%)
- Green (75%)
- Blue (83%)



- Red (31%)
- Yellow (55%)
- Blue (83%)



- Cyan (62%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)



- Cyan (69%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8227, 43.7205, 68.9436 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 33.8227, 43.7205, 68.9436 by changing the saturation by 10% instead.

■ 33.8227, 43.7205,
68.9436

■ 33.8227, 43.7205,
68.9436

310.9406,
361.5665, 475.5206

■ 22.9197, 30.4508,
50.1943

■ 65.0040, 80.7970,
119.3680

■ 14.6546, 20.1810,
35.1956

■ 86.0129, 105.3726,
151.8801

■ 8.6620, 12.5267,
23.5288

■ 111.1213,
134.4857, 189.8170

■ 4.5767, 7.1035,
14.7755

■ 140.6943,
168.5206, 233.5970

■ 2.0333, 3.5269,
8.5171

175.0974,
207.8617, 283.6389

■ 0.6526, 1.4126,
4.3351

214.6959,

■ 0.0000, 0.2260,

252.8935, 340.3611

1.8109

259.8552,
304.0003, 404.1821

■ 0.0000, 0.0000,
0.4351

■ 0.0000, 0.0000,
0.0000

■ 33.8227, 43.7205,
68.9436

■ 33.8227, 43.7205,
68.9436

■ 31.5803, 41.4861,
68.6313

■ 36.6493, 46.2831,
69.2901

■ 29.8628, 39.5462,
68.3474

■ 40.1042, 49.1940,
69.6698

■ 28.6050, 37.8682,
68.0898

■ 44.2317, 52.4771,
70.0860

■ 27.8589, 36.7038,
67.9044

■ 49.0712, 56.1529,
70.5404

■ 54.6586, 60.2400,
71.0348

■ 61.0276, 64.7561,
71.5708

■ 68.2098, 69.7174,
72.1499

■ 76.2350, 75.1396,
72.7735

■ 79.0745, 77.9149,
73.1596

Harmonies

Analogous

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



31.9674, 43.7205, 52.1530



33.8227, 43.7205, 68.9436



37.7902, 43.7205, 81.5842

Triad

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



33.8227, 43.7205, 68.9436



52.1559, 43.7205, 59.6187



40.0337, 43.7205, 23.5330

Complementary

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



33.8227, 43.7205, 68.9436



33.2542, 23.8849, 10.4483

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.



45.5620, 43.7205, 24.6758



33.8227, 43.7205, 68.9436



52.8903, 43.7205, 43.3279

Square

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



33.8227, 43.7205, 68.9436



48.4579, 43.7205, 75.4286



50.3842, 43.7205, 31.1964



35.3410, 43.7205, 27.6331

Rectangle

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



33.8227, 43.7205, 68.9436



41.2602, 43.7205, 84.6447



50.3842, 43.7205, 31.1964



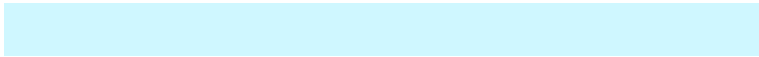
41.8513, 43.7205, 23.3386

Sweetspot

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



33.8241, 43.7221, 68.9447



77.0068, 87.1211, 107.3651



29.1435, 49.7097, 20.0664



15.9818, 18.2768, 22.9354



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.



33.8241, 43.7221, 68.9447



46.9585, 61.9224, 104.0850



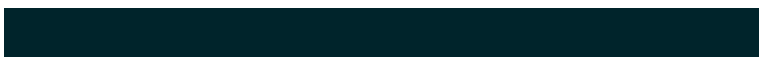
22.6798, 21.4335, 65.2299



12.6161, 13.7557, 15.9277



17.2598, 22.7813, 41.9407



1.0872, 1.4664, 2.5450

Inverse Universe

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



39.4252, 23.4973, 51.7493



56.5920, 30.3117, 73.7985



42.2004, 41.7775, 13.4304



12.8642, 12.5972, 15.2251



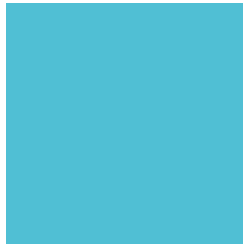
21.7708, 10.6446, 27.1608



1.3364, 0.6514, 1.7609

Previews

White Background



This preview shows how the XYZ color 33.8227, 43.7205, 68.9436 looks on a white background.

Color Contrast Check

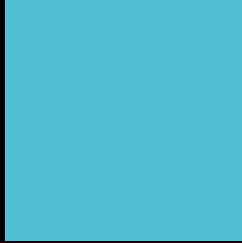
Large Text (above 18pt) WCAG AA × Fail

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 33.8227, 43.7205, 68.9436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

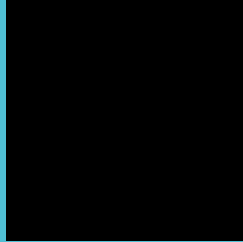
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8227, 43.7205, 68.9436

Background



This preview shows how black text looks on a background with the XYZ color 33.8227, 43.7205, 68.9436.



This preview shows how white text looks on a background with the XYZ color 33.8227, 43.7205,

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

33.8227, 43.7205, 68.9436

Protanopia

42.4733, 43.1471, 61.3480

Deuteranopia

44.1605, 43.2336, 70.9832



Tritanopia

33.2540, 43.8240, 65.7377

Trichromacy



Original Color

33.8227, 43.7205, 68.9436



Protanomaly

37.8219, 42.4536, 63.9585



Deuteranomaly

39.0333, 42.6355, 70.4622



Tritanomaly

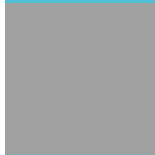
33.5827, 43.9650, 67.0377

Monochromacy



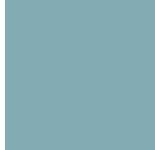
Original Color

33.8227, 43.7205, 68.9436



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

32.0597, 37.2058, 48.1395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8227, 43.7205, 68.9436 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(80, 191, 212)` looks like.

```
.text, #text, p{  
    color:rgb(80, 191, 212)  
}
```

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(80, 191, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 191, 212) }
```

Border

The CSS property to change the border of an element to XYZ 33.8227, 43.7205, 68.9436 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(80, 191, 212) }
```


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

```
.border{ border-color:rgb(80, 191, 212) }
```

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

Here you see how a box with a 4 pixel rgb(80, 191, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 191, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 191, 212);  
box-shadow:4px 4px 4px 4px rgb(80, 191,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8227, 43.7205, 68.9436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 191, 212) }
```

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

```
.background{ background-color: rgb(80, 191,  
212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor