

Converting Colors

XYZ(33.3245, 39.8135, 51.2758)

Have a look what the booklet for
XYZ(33.3245, 39.8135, 51.2758)
contains.

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Color

**XYZ(33.3245, 39.8135,
51.2758)**

Conversions

Conversions Part 1

Format	Color
Hex	7FB2B8
RGB	127, 178, 184
RGB Percent	50%, 70%, 72%
CMY	0.5020, 0.3019, 0.2784
CMYK	0.31, 0.03, 0.00, 0.28
HSL	186°, 29%, 61%
HSV	186°, 31%, 72%
XYZ	33.3245, 39.8135, 51.2758
YIQ	163.4350, -32.3220, -8.9460

Conversions

Conversions Part 2

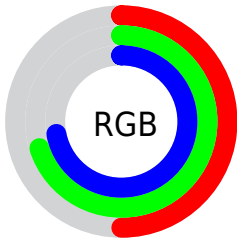
Format	Color
RYB	127, 154, 184
Decimal	8368824
CIELab	69.34, -15.26, -8.47
CIElCh	69, 17.453, 209.032
Yxy	39.8135, 0.2679, 0.3200
Android (android.graphics.Color)	4286558904 (0xFF7FB2B8)
YUV	163.4350, 10.1385, -31.9535
Hunter-Lab	63.0979, -16.1485, -4.0128

Details

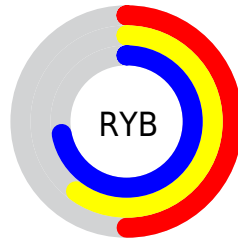
The XYZ color **33.3245, 39.8135, 51.2758** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.9860, 28.4980, 23.8943**, and the grayscale version is **34.9838, 36.8057, 40.0814**.

A 20% lighter version of the original color is **64.2071, 74.9607, 93.5229**, and **14.3320, 17.8018, 24.1534** is the 20% darker color. If you saturate the color by 10%, you get **30.4482, 37.7638, 51.0324**, and if you desaturate by 10%, it is **36.7090, 42.1353, 51.5462**.

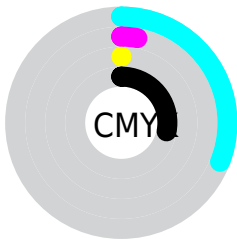
Distribution



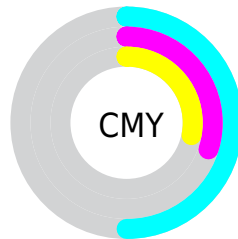
- Red (50%)
- Green (70%)
- Blue (72%)



- Red (50%)
- Yellow (60%)
- Blue (72%)



- Cyan (31%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)



- Cyan (50%)
- Magenta (30%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3245, 39.8135, 51.2758 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 33.3245, 39.8135, 51.2758 by changing the saturation by 10% instead.

■ 33.3245, 39.8135,
51.2758

■ 33.3245, 39.8135,
51.2758

308.7486,
345.3369, 408.5115

■ 22.5356, 27.3932,
36.0499

■ 64.2331, 74.8794,
93.4780

■ 14.3698, 17.8687,
24.1827

■ 85.0835, 98.2938,
121.2914

■ 8.4617, 10.8558,
15.2558

■ 110.0185,
126.1417, 154.1376

■ 4.4461, 5.9699,
8.8505

139.4033,
158.8074, 192.4354

■ 1.9574, 2.8268,
4.5483

173.6034,
196.6754, 236.6031

■ 0.6099, 1.0420,
1.9307

212.9840,

■ 0.0000, 0.0000,

240.1300, 287.0593

0.5122

257.9107,
289.5557, 344.2226

■ 0.0000, 0.0000,
0.0000

■ 33.3245, 39.8135,
51.2758

■ 33.3245, 39.8135,
51.2758

■ 30.4482, 37.7638,
51.0324

■ 36.7090, 42.1353,
51.5462

■ 28.0494, 35.9673,
50.8121

■ 40.6235, 44.7373,
51.8422

■ 26.0992, 34.4101,
50.6143

■ 45.0927, 47.6335,
52.1656

■ 24.5645, 33.0751,
50.4375

■ 50.1385, 50.8351,
52.5177

■ 23.4073, 31.9425,
50.2799

■ 55.7821, 54.3530,
52.8992

■ 22.5825, 30.9893,
50.1394

■ 62.0431, 58.1975,
53.3113

■ 22.0420, 30.2410,
50.0235

■ 68.6443, 62.2257,
53.7409

■ 69.0710, 63.0790,
53.8831

■ 69.5033, 63.9436,
54.0272

Harmonies

Analogous

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



32.7072, 39.8135, 43.0899



33.3245, 39.8135, 51.2758



35.1369, 39.8135, 57.9687

Triad

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



33.3245, 39.8135, 51.2758



42.6507, 39.8135, 51.7825



37.9326, 39.8135, 29.6828

Complementary

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



33.3245, 39.8135, 51.2758



31.9860, 28.4980, 23.8943

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.



40.6815, 39.8135, 31.4223



33.3245, 39.8135, 51.2758



43.4869, 39.8135, 43.6114

Square

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



33.3245, 39.8135, 51.2758



40.5162, 39.8135, 58.2857



42.7494, 39.8135, 36.2864



35.2872, 39.8135, 31.2124

Rectangle

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



33.3245, 39.8135, 51.2758



36.8259, 39.8135, 60.3271



42.7494, 39.8135, 36.2864



38.8757, 39.8135, 29.9005

Sweetspot

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



33.3257, 39.8151, 51.2767



75.0439, 82.0161, 94.0801



30.1066, 40.4789, 28.3091



15.9375, 17.5237, 20.2640



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.3257, 39.8151, 51.2767



56.8474, 69.6522, 92.6527



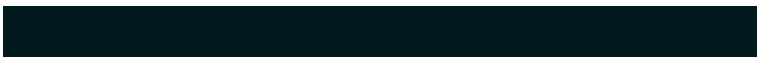
28.2794, 29.7225, 49.5946



9.1838, 10.0448, 11.5342



15.2217, 20.9030, 34.4855



0.5599, 0.7836, 1.2235

Inverse Universe

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



35.3934, 28.5844, 45.7732



61.2364, 46.3434, 80.8514



36.3785, 37.2832, 25.3585



9.3391, 9.1460, 11.1332



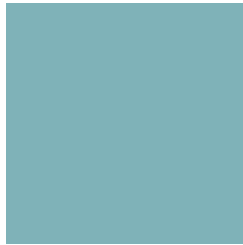
18.2969, 8.8925, 25.2479



0.6568, 0.3182, 0.9521

Previews

White Background



This preview shows how the XYZ color 33.3245, 39.8135, 51.2758 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 33.3245, 39.8135, 51.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

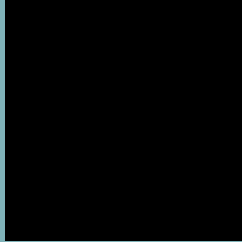
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3245, 39.8135, 51.2758

Background



This preview shows how black text looks on a background with the XYZ color 33.3245, 39.8135, 51.2758.



This preview shows how white text looks on a background with the XYZ color 33.3245, 39.8135,

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

33.3245, 39.8135, 51.2758

Protanopia

38.4007, 39.6546, 47.7497

Deuteranopia

40.3766, 39.4859, 52.5072



Tritanopia

34.1794, 39.8730, 55.1850

Trichromacy



Original Color

33.3245, 39.8135, 51.2758

Protanomaly

36.3172, 39.6704, 48.9230

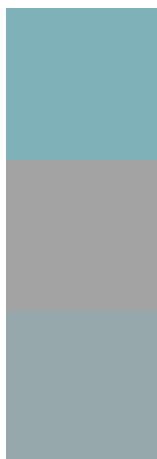
Deuteranomaly

37.3490, 39.2920, 52.0700

Tritanomaly

33.7013, 39.6643, 53.4567

Monochromacy



Original Color

33.3245, 39.8135, 51.2758

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.9310, 37.4296, 43.9644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3245, 39.8135, 51.2758 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(127, 178, 184)` looks like.

```
.text, #text, p{  
    color:rgb(127, 178, 184)  
}
```

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(127, 178, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 178, 184) }
```

Border

The CSS property to change the border of an element to XYZ 33.3245, 39.8135, 51.2758 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(127, 178, 184) }
```


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

```
.border{ border-color:rgb(127, 178, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 178, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 178, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 178, 184);  
box-shadow:4px 4px 4px 4px rgb(127, 178,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3245, 39.8135, 51.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 178, 184) }
```

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

```
.background{ background-color: rgb(127,  
178, 184) }
```

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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