

Converting Colors

XYZ(29.7908, 39.5295, 63.8174)

Have a look what the booklet for
XYZ(29.7908, 39.5295, 63.8174)
contains.

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Color

**XYZ(29.7908, 39.5295,
63.8174)**

Conversions

Conversions Part 1

Format	Color
Hex	38B8CD
RGB	56, 184, 205
RGB Percent	22%, 72%, 80%
CMY	0.7804, 0.2784, 0.1961
CMYK	0.73, 0.10, 0.00, 0.20
HSL	188°, 60%, 51%
HSV	188°, 73%, 80%
XYZ	29.7908, 39.5295, 63.8174
YIQ	148.1220, -83.0290, -20.6050

Conversions

Conversions Part 2

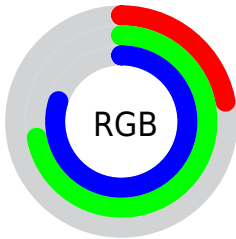
Format	Color
R _{YB}	56, 125, 205
Decimal	3717325
CIE Lab	69.13, -27.31, -20.59
CIE LCh	69, 34.207, 217.015
Yxy	39.5295, 0.2238, 0.2969
Android (android.graphics.Color)	4281907405 (0xFF38B8CD)
YUV	148.1220, 28.0409, -80.7910
Hunter-Lab	62.8725, -25.4484, -16.1703

Details

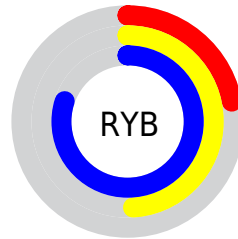
The XYZ color **29.7908, 39.5295, 63.8174** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **28.5457, 18.5738, 5.8232**, and the grayscale version is **28.1124, 29.5764, 32.2087**.

A 20% lighter version of the original color is **57.5223, 73.8253, 105.8257**, and **13.7022, 18.4670, 32.1205** is the 20% darker color. If you saturate the color by 10%, you get **28.2771, 37.8680, 63.5772**, and if you desaturate by 10%, it is **31.7882, 41.4601, 64.0855**.

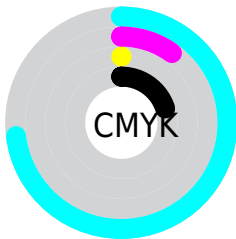
Distribution



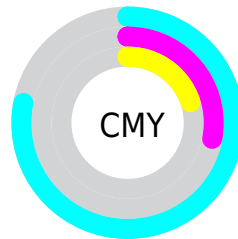
- Red (22%)
- Green (72%)
- Blue (80%)



- Red (22%)
- Yellow (49%)
- Blue (80%)



- Cyan (73%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)



- Cyan (78%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7908, 39.5295, 63.8174 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 29.7908, 39.5295, 63.8174 by changing the saturation by 10% instead.

■ 29.7908, 39.5295,
63.8174

■ 29.7908, 39.5295,
63.8174

292.8555,
344.1365, 456.7193

■ 19.8271, 27.1719,
46.0576

■ 58.7201, 74.4465,
111.9449

■ 12.3770, 17.7024,
31.9422

■ 78.4164, 97.7747,
143.1496

■ 7.0750, 10.7365,
21.0529

■ 102.0877,
125.5286, 179.6729

■ 3.5558, 5.8899,
12.9711

■ 130.0992,
158.0925, 221.9336

■ 1.4540, 2.7783,
7.2781

■ 162.8164,
195.8508, 270.3500

■ 0.2942, 1.0171,
3.5556

200.6046,

■ 0.0000, 0.0000,

239.1880, 325.3407

1.3848

243.8292,
288.4884, 387.3243

■ 0.0000, 0.0000,
0.1299

■ 0.0000, 0.0000,
0.0000

■ 29.7908, 39.5295,
63.8174

■ 29.7908, 39.5295,
63.8174

■ 28.2771, 37.8680,
63.5772

■ 31.7882, 41.4601,
64.0855

■ 27.1818, 36.4395,
63.3592

■ 34.3165, 43.6819,
64.3811

■ 26.5662, 35.5012,
63.2106

■ 37.4216, 46.2195,
64.7073

■ 41.1433, 49.0935,
65.0658

■ 45.5176, 52.3225,
65.4585

■ 50.5780, 55.9239,
65.8870

■ 56.3555, 59.9138,
66.3526

■ 62.8791, 64.3073,
66.8568

■ 70.1765, 69.1187,
67.4009

Harmonies

Analogous

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



28.0782, 39.5295, 46.8215



29.7908, 39.5295, 63.8174



33.6162, 39.5295, 77.1122

Triad

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



29.7908, 39.5295, 63.8174



48.0985, 39.5295, 55.8934



36.3030, 39.5295, 19.5499

Complementary

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



29.7908, 39.5295, 63.8174



28.5457, 18.5738, 5.8232

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.



41.8258, 39.5295, 20.8566



29.7908, 39.5295, 63.8174



48.9948, 39.5295, 39.4695

Square

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



29.7908, 39.5295, 63.8174



44.2588, 39.5295, 71.8172



46.6014, 39.5295, 27.3478



31.5944, 39.5295, 23.2070

Rectangle

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



29.7908, 39.5295, 63.8174



37.0271, 39.5295, 80.6283



46.6014, 39.5295, 27.3478



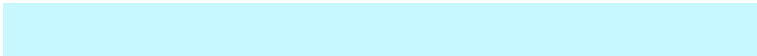
38.1215, 39.5295, 19.4412

Sweetspot

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



29.7921, 39.5309, 63.8184



74.8660, 85.9271, 107.2475



24.7632, 45.0243, 14.2002



15.5771, 18.0669, 22.9162



0.0000, 0.0000, 0.0000



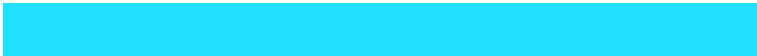
20.3446, 21.4041, 23.3091

Same Dimension

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



29.7921, 39.5309, 63.8184



45.2659, 60.7137, 103.9409



18.2963, 16.5393, 59.9864



11.4033, 12.4469, 14.3719



16.5911, 22.2061, 39.3680



0.8939, 1.2215, 2.0436

Inverse Universe

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



35.2438, 19.2694, 47.2107



55.2064, 27.7234, 72.7727



36.8569, 35.1962, 8.5936



11.6169, 11.3755, 13.7832



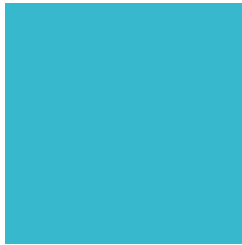
20.5853, 10.0447, 26.5987



1.0811, 0.5259, 1.4730

Previews

White Background



This preview shows how the XYZ color 29.7908, 39.5295, 63.8174 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 29.7908, 39.5295, 63.8174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

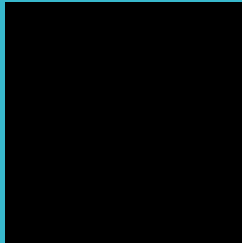
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7908, 39.5295, 63.8174

Background



This preview shows how black text looks on a background with the XYZ color 29.7908, 39.5295, 63.8174.



This preview shows how white text looks on a background with the XYZ color 29.7908, 39.5295,

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

29.7908, 39.5295, 63.8174

Protanopia

38.3661, 38.9092, 55.9402

Deuteranopia

39.6844, 38.8358, 65.7261



Tritanopia

29.1905, 39.5981, 60.7483

Trichromacy



Original Color

29.7908, 39.5295, 63.8174



Protanomaly

33.3338, 38.2034, 58.4404



Deuteranomaly

34.1165, 37.8908, 65.1900



Tritanomaly

29.4778, 39.7191, 61.9900

Monochromacy



Original Color

29.7908, 39.5295, 63.8174



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.9765, 31.9991, 42.2908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7908, 39.5295, 63.8174 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(56, 184, 205)` looks like.

```
.text, #text, p{  
    color:rgb(56, 184, 205)  
}
```

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(56, 184, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 184, 205) }
```

Border

The CSS property to change the border of an element to XYZ 29.7908, 39.5295, 63.8174 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(56, 184, 205) }
```


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

```
.border{ border-color:rgb(56, 184, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 184, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 184, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 184, 205);  
box-shadow:4px 4px 4px 4px rgb(56, 184,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7908, 39.5295, 63.8174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 184, 205) }
```

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

```
.background{ background-color: rgb(56, 184,  
205) }
```

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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