

Converting Colors

XYZ(29.4827, 38.9954, 63.7306)

Have a look what the booklet for
XYZ(29.4827, 38.9954, 63.7306)
contains.

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Color

**XYZ(29.5285, 39.0870,
63.7458)**

Conversions

Conversions Part 1

Format	Color
Hex	37B7CD
RGB	55, 183, 205
RGB Percent	22%, 72%, 80%
CMY	0.7843, 0.2823, 0.1961
CMYK	0.73, 0.11, 0.00, 0.20
HSL	189°, 60%, 51%
HSV	189°, 73%, 80%
XYZ	29.5285, 39.0870, 63.7458
YIQ	147.2360, -83.3500, -20.2940

Conversions

Conversions Part 2

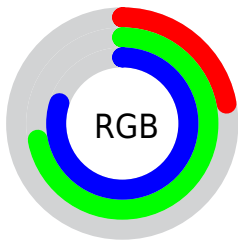
Format	Color
R _{YB}	55, 124, 205
Decimal	3651533
CIE _{Lab}	68.81, -26.94, -21.08
CIE _{LCh}	69, 34.207, 218.044
Y _{xy}	39.0870, 0.2231, 0.2953
Android (android.graphics.Color)	4281841613 (0xFF37B7CD)
Y _{UV}	147.2360, 28.4777, -80.8910
Hunter-Lab	62.5196, -25.1023, -16.6891

Details

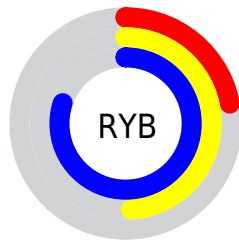
The XYZ color **29.5285, 39.0870, 63.7458** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **28.5215, 18.5643, 5.6958**, and the grayscale version is **27.7431, 29.1879, 31.7856**.

A 20% lighter version of the original color is **57.0849, 73.1640, 105.7211**, and **13.5685, 18.1996, 32.0759** is the 20% darker color. If you saturate the color by 10%, you get **28.0167, 37.3976, 63.5001**, and if you desaturate by 10%, it is **31.5222, 41.0461, 64.0196**.

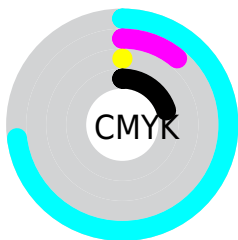
Distribution



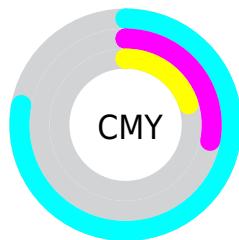
- Red (22%)
- Green (72%)
- Blue (80%)



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



- Cyan (73%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5285, 39.0870, 63.7458 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 29.5285, 39.0870, 63.7458 by changing the saturation by 10% instead.

■ 29.5285, 39.0870,
63.7458

■ 29.5285, 39.0870,
63.7458

291.6499,
342.2602, 456.4533

■ 19.6273, 26.8274,
46.0000

■ 58.3075, 73.7712,
111.8407

■ 12.2311, 17.4436,
31.8971

■ 77.9160, 96.9646,
143.0268

■ 6.9746, 10.5513,
21.0188

■ 101.4909,
124.5714, 179.5302

■ 3.4924, 5.7660,
12.9463

■ 129.3976,
156.9760, 221.7692

■ 1.4192, 2.7033,
7.2613

■ 162.0016,
194.5628, 270.1625

■ 0.2698, 0.9789,
3.5451

199.6680,

■ 0.0000, 0.0000,

237.7162, 325.1286

1.3793

242.7623,
286.8205, 387.0860

■ 0.0000, 0.0000,
0.1255

■ 0.0000, 0.0000,
0.0000

■ 29.5285, 39.0870,
63.7458

■ 29.5285, 39.0870,
63.7458

■ 28.0167, 37.3976,
63.5001

■ 31.5222, 41.0461,
64.0196

■ 26.9209, 35.9413,
63.2768

■ 34.0456, 43.2973,
64.3211

■ 26.3368, 35.0423,
63.1340

■ 37.1448, 45.8652,
64.6534

■ 40.8596, 48.7705,
65.0184

■ 45.2265, 52.0321,
65.4178

■ 50.2789, 55.6673,
65.8532

■ 56.0479, 59.6924,
66.3261

■ 62.5629, 64.1225,
66.8378

■ 69.8513, 68.9719,
67.3897

Harmonies

Analogous

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



27.7522, 39.0870, 46.8768



29.5285, 39.0870, 63.7458



33.3867, 39.0870, 76.7039

Triad

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



29.5285, 39.0870, 63.7458



47.6869, 39.0870, 54.7311



35.7107, 39.0870, 19.3072

Complementary

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



29.5285, 39.0870, 63.7458



28.5215, 18.5643, 5.6958

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.



41.1882, 39.0870, 20.4338



29.5285, 39.0870, 63.7458



48.4632, 39.0870, 38.5150

Square

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



29.5285, 39.0870, 63.7458



43.9555, 39.0870, 70.6793



45.9839, 39.0870, 26.6791



31.0877, 39.0870, 23.1051

Rectangle

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



29.5285, 39.0870, 63.7458



36.7962, 39.0870, 79.9304



45.9839, 39.0870, 26.6791



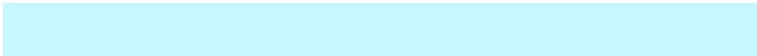
37.5081, 39.0870, 19.1444

Sweetspot

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



29.5298, 39.0884, 63.7468



74.7678, 85.7306, 107.2147



24.6780, 44.9838, 14.0404



15.5536, 18.0199, 22.9084



0.0000, 0.0000, 0.0000



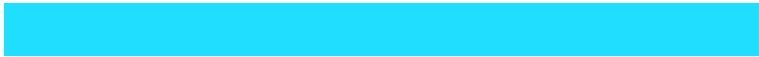
20.3446, 21.4041, 23.3091

Same Dimension

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



29.5298, 39.0884, 63.7468



44.7478, 59.7946, 103.7908



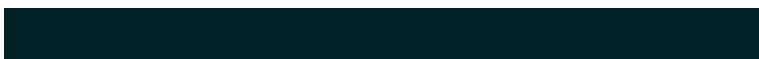
18.1724, 16.3738, 59.9610



11.3976, 12.4357, 14.3700



16.4499, 21.9238, 39.3210



0.8878, 1.2094, 2.0416

Inverse Universe

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



35.0914, 19.1317, 46.6445



54.9162, 27.4979, 71.5824



36.7741, 35.0694, 8.4466



11.6141, 11.3744, 13.7682



20.5141, 10.0162, 26.2235



1.0781, 0.5246, 1.4570

Previews

White Background



This preview shows how the XYZ color 29.5285, 39.0870, 63.7458 looks on a white background.

Color Contrast Check

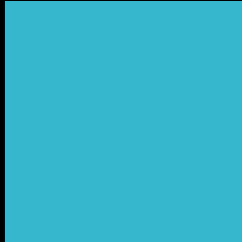
Large Text (above 18pt) WCAG AA × Fail

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 29.5285, 39.0870, 63.7458 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

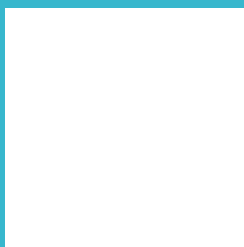
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5285, 39.0870, 63.7458

Background



This preview shows how black text looks on a background with the XYZ color 29.5285, 39.0870, 63.7458.

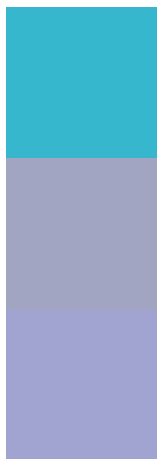


This preview shows how white text looks on a background with the XYZ color 29.5285, 39.0870,

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

29.5285, 39.0870, 63.7458

Protanopia

37.9811, 38.4419, 55.8703

Deuteranopia

39.3038, 38.3749, 65.6572



Tritanopia

28.8145, 39.1083, 60.0628

Trichromacy



Original Color

29.5285, 39.0870, 63.7458



Protanomaly

32.9989, 37.7472, 58.3700



Deuteranomaly

33.7859, 37.4411, 65.1207



Tritanomaly

29.0993, 39.2281, 61.2964

Monochromacy



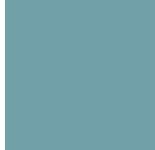
Original Color

29.5285, 39.0870, 63.7458



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.5781, 31.5462, 41.7340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5285, 39.0870, 63.7458 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(55, 183, 205)` looks like.

```
.text, #text, p{  
    color:rgb(55, 183, 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(55, 183, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 183, 205) }
```

Border

The CSS property to change the border of an element to XYZ 29.5285, 39.0870, 63.7458 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(55, 183, 205) }
```


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

```
.border{ border-color:rgb(55, 183, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 183, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 183, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 183, 205);  
box-shadow:4px 4px 4px 4px rgb(55, 183,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5285, 39.0870, 63.7458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 183, 205) }
```

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

```
.background{ background-color: rgb(55, 183,  
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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