

Converting Colors

XYZ(29.2322, 32.9748, 56.7507)

Have a look what the booklet for
XYZ(29.2322, 32.9748, 56.7507)
contains.

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Color

**XYZ(29.4397, 33.2057,
57.0823)**

Conversions

Conversions Part 1

Format	Color
Hex	6FA2C4
RGB	111, 162, 196
RGB Percent	44%, 64%, 77%
CMY	0.5647, 0.3647, 0.2314
CMYK	0.43, 0.17, 0.00, 0.23
HSL	204°, 42%, 60%
HSV	204°, 43%, 77%
XYZ	29.4397, 33.2057, 57.0823
YIQ	150.6270, -41.3100, -0.2380

Conversions

Conversions Part 2

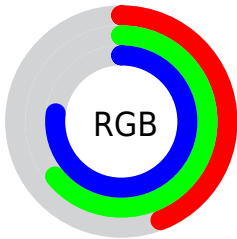
Format	Color
R _Y B	111, 143, 196
Decimal	7316164
CIE Lab	64.33, -7.94, -22.77
CIE LCh	64, 24.115, 250.782
Yxy	33.2057, 0.2459, 0.2773
Android (android.graphics.Color)	4285506244 (0xFF6FA2C4)
YUV	150.6270, 22.3689, -34.7529
Hunter-Lab	57.6244, -9.6489, -18.3952

Details

The XYZ color **29.4397, 33.2057, 57.0823** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.7604, 33.1351, 19.5510**, and the grayscale version is **29.1773, 30.6968, 33.4288**.

A 20% lighter version of the original color is **58.2684, 64.8245, 102.3698**, and **12.1458, 13.9747, 27.6484** is the 20% darker color. If you saturate the color by 10%, you get **25.9007, 29.3953, 56.5339**, and if you desaturate by 10%, it is **33.6080, 37.4698, 57.6863**.

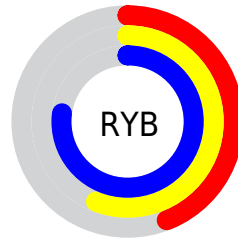
Distribution



Red (44%)

Green (64%)

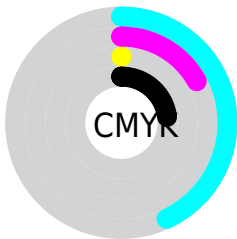
Blue (77%)



Red (44%)

Yellow (56%)

Blue (77%)

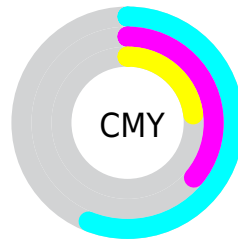


Cyan (43%)

Magenta (17%)

Yellow (0%)

Black (23%)



Cyan (56%)

Magenta (36%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4397, 33.2057, 57.0823 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 29.4397, 33.2057, 57.0823 by changing the saturation by 10% instead.

■ 29.4397, 33.2057,
57.0823

■ 29.4397, 33.2057,
57.0823

■ 291.2409,
316.5756, 431.2600

■ 19.5596, 22.2841,
40.6615

■ 58.1677, 64.6965,
102.0868

■ 12.1818, 14.0658,
27.7370

■ 77.7463, 86.0345,
131.5076

■ 6.9407, 8.1664,
17.8902

■ 101.2886,
111.6135, 166.0988

■ 3.4710, 4.2016,
10.7025

■ 129.1598,
141.8177, 206.2790

■ 1.4075, 1.7870,
5.7555

■ 161.7252,
177.0316, 252.4666

■ 0.2615, 0.4790,
2.6306

199.3503,

■ 0.0000, 0.0000,

217.6397, 305.0803

0.9082

242.4004,
264.0262, 364.5386

■ 0.0000, 0.0000,
0.0000

■ 29.4397, 33.2057,
57.0823

■ 29.4397, 33.2057,
57.0823

■ 25.9007, 29.3953,
56.5339

■ 33.6080, 37.4698,
57.6863

■ 22.9505, 26.0132,
56.0366

■ 38.4365, 42.2036,
58.3455

■ 20.5485, 23.0369,
55.5887

■ 43.9577, 47.4268,
59.0627

■ 18.6470, 20.4393,
55.1876

■ 50.2008, 53.1565,
59.8396

■ 17.1885, 18.1883,
54.8300

■ 57.1935, 59.4092,
60.6779

■ 16.3956, 16.8489,
54.6132

■ 64.9618, 66.2002,
61.5793

■ 73.5304, 73.5444,
62.5452

■ 78.0541, 78.9458,
63.3494

■ 80.2190, 83.2757,
64.0710

Harmonies

Analogous

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



26.8263, 33.2057, 49.9479



29.4397, 33.2057, 57.0823



32.8108, 33.2057, 58.0628

Triad

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



29.4397, 33.2057, 57.0823



38.4926, 33.2057, 32.7361



27.4465, 33.2057, 23.6572

Complementary

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



29.4397, 33.2057, 57.0823



35.7604, 33.1351, 19.5510

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.



30.3434, 33.2057, 20.5949



29.4397, 33.2057, 57.0823



36.8224, 33.2057, 25.1689

Square

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



29.4397, 33.2057, 57.0823



38.2067, 33.2057, 42.7352



33.7819, 33.2057, 21.0929



25.7345, 33.2057, 30.2881

Rectangle

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



29.4397, 33.2057, 57.0823



35.0577, 33.2057, 54.9294



33.7819, 33.2057, 21.0929



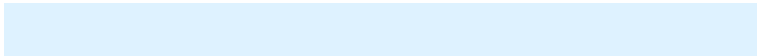
28.3050, 33.2057, 22.2358

Sweetspot

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



29.4408, 33.2070, 57.0831



79.8031, 86.0757, 107.0159



31.2987, 44.8611, 33.2294



16.5763, 17.9521, 22.8414



0.0000, 0.0000, 0.0000



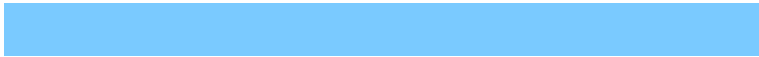
20.3446, 21.4041, 23.3091

Same Dimension

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



29.4408, 33.2070, 57.0831



47.2442, 53.6096, 102.4654



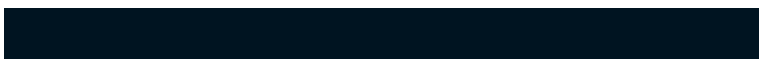
23.3476, 21.0207, 55.0520



10.0196, 10.7305, 12.8279



10.6208, 10.9982, 35.1197



0.5248, 0.6071, 1.5394

Inverse Universe

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



34.9719, 25.7144, 37.3039



58.9048, 39.5399, 60.3802



43.2114, 48.0372, 22.0347



10.3212, 10.1771, 11.7819



16.7569, 8.3925, 11.8977



0.7573, 0.3759, 0.6894

Previews

White Background



This preview shows how the XYZ color 29.4397, 33.2057, 57.0823 looks on a white background.

Color Contrast Check

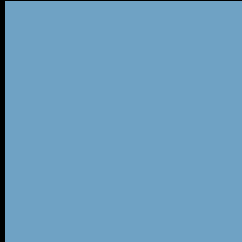
Large Text (above 18pt) WCAG AA × Fail

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 29.4397, 33.2057, 57.0823 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

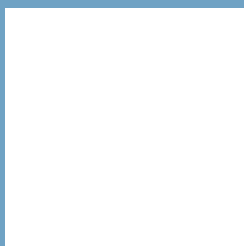
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4397, 33.2057, 57.0823

Background



This preview shows how black text looks on a background with the XYZ color 29.4397, 33.2057, 57.0823.



This preview shows how white text looks on a background with the XYZ color 29.4397, 33.2057,

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

29.4397, 33.2057, 57.0823

Protanopia

32.8825, 33.0320, 53.3579

Deuteranopia

33.7970, 33.1556, 58.0445



Tritanopia

27.4349, 33.1888, 47.0796

Trichromacy



Original Color

29.4397, 33.2057, 57.0823

Protanomaly

31.4029, 32.9880, 54.5814

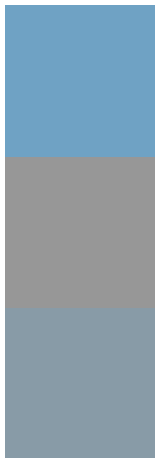
Deuteranomaly

31.9582, 32.9590, 57.5007

Tritanomaly

28.2168, 33.2418, 50.8281

Monochromacy



Original Color

29.4397, 33.2057, 57.0823

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.8497, 31.4670, 41.1124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4397, 33.2057, 57.0823 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(111, 162, 196)` looks like.

```
.text, #text, p{  
    color:rgb(111, 162, 196)  
}
```

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(111, 162, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 162, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.4397, 33.2057, 57.0823 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(111, 162, 196) }
```


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

```
.border{ border-color:rgb(111, 162, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 162, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 162, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 162, 196);  
box-shadow:4px 4px 4px 4px rgb(111, 162,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4397, 33.2057, 57.0823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 162, 196) }
```

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

```
.background{ background-color: rgb(111,  
162, 196) }
```

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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