

Converting Colors

XYZ(29.3004, 34.4315, 57.9079)

Have a look what the booklet for
XYZ(29.3004, 34.4315, 57.9079)
contains.

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Color

**XYZ(29.3763, 34.4934,
57.9329)**

Conversions

Conversions Part 1

Format	Color
Hex	66A7C5
RGB	102, 167, 197
RGB Percent	40%, 65%, 77%
CMY	0.6000, 0.3451, 0.2274
CMYK	0.48, 0.15, 0.00, 0.23
HSL	199°, 45%, 59%
HSV	199°, 48%, 77%
XYZ	29.3763, 34.4934, 57.9329
YIQ	150.9850, -48.3700, -4.4500

Conversions

Conversions Part 2

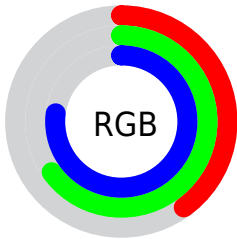
Format	Color
RYB	102, 141, 197
Decimal	6727621
CIELab	65.35, -12.60, -21.80
CIELCh	65, 25.180, 239.974
Yxy	34.4934, 0.2412, 0.2832
Android (android.graphics.Color)	4284917701 (0xFF66A7C5)
YUV	150.9850, 22.6854, -42.9598
Hunter-Lab	58.7311, -13.4967, -17.3725

Details

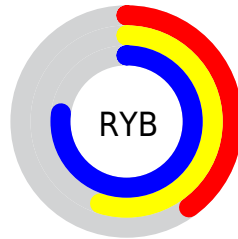
The XYZ color **29.3763, 34.4934, 57.9329** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **33.6765, 29.3334, 16.4587**, and the grayscale version is **29.3309, 30.8584, 33.6048**.

A 20% lighter version of the original color is **58.1112, 66.6674, 103.5712**, and **12.1274, 14.7801, 28.2003** is the 20% darker color. If you saturate the color by 10%, you get **26.2911, 31.2522, 57.4705**, and if you desaturate by 10%, it is **33.0490, 38.1203, 58.4400**.

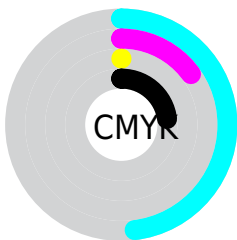
Distribution



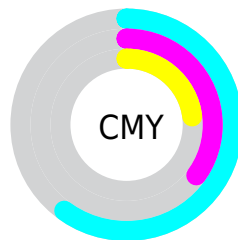
- Red (40%)
- Green (65%)
- Blue (77%)



- Red (40%)
- Yellow (55%)
- Blue (77%)



- Cyan (48%)
- Magenta (15%)
- Yellow (0%)
- Black (23%)



- Cyan (60%)
- Magenta (35%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3763, 34.4934, 57.9329 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 29.3763, 34.4934, 57.9329 by changing the saturation by 10% instead.

■ 29.3763, 34.4934,
57.9329

■ 29.3763, 34.4934,
57.9329

290.9486,
322.3265, 434.5271

■ 19.5114, 23.2729,
41.3404

■ 58.0679, 66.7002,
103.3390

■ 12.1466, 14.7951,
28.2634

■ 77.6252, 88.4553,
132.9895

■ 6.9165, 8.6757,
18.2836

■ 101.1441,
114.4907, 167.8299

■ 3.4558, 4.5303,
10.9822

■ 128.9898,
145.1909, 208.2786

■ 1.3991, 1.9744,
5.9409

161.5278,
180.9401, 254.7541

■ 0.2556, 0.5925,
2.7409

199.1233,

■ 0.0000, 0.0000,

222.1229, 307.6750

0.9639

242.1418,
269.1236, 367.4598

■ 0.0000, 0.0000,
0.0000

■ 29.3763, 34.4934,
57.9329

■ 29.3763, 34.4934,
57.9329

■ 26.2911, 31.2522,
57.4705

■ 33.0490, 38.1203,
58.4400

■ 23.7512, 28.3717,
57.0484

■ 37.3411, 42.1483,
58.9913

■ 21.7137, 25.8292,
56.6650

■ 42.2859, 46.5964,
59.5892

■ 20.1268, 23.5971,
56.3178

■ 47.9134, 51.4811,
60.2355

■ 18.9117, 21.6333,
56.0028

■ 54.2516, 56.8178,
60.9315

■ 18.7129, 21.3008,
55.9491

■ 61.3268, 62.6212,
61.6788

■ 69.1639, 68.9052,
62.4786

■ 76.0720, 74.7989,
63.2521

■ 77.7037, 78.0623,
63.7960

Harmonies

Analogous

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



27.0396, 34.4934, 48.5965



29.3763, 34.4934, 57.9329



32.7817, 34.4934, 61.6329

Triad

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



29.3763, 34.4934, 57.9329



40.3669, 34.4934, 37.5666



29.3815, 34.4934, 22.6193

Complementary

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



29.3763, 34.4934, 57.9329



33.6765, 29.3334, 16.4587

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.



32.7881, 34.4934, 20.7443



29.3763, 34.4934, 57.9329



39.2915, 34.4934, 28.3312

Square

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



29.3763, 34.4934, 57.9329



39.2878, 34.4934, 48.6153



36.4476, 34.4934, 22.6259



27.0424, 34.4934, 28.3180

Rectangle

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



29.3763, 34.4934, 57.9329



35.2572, 34.4934, 59.9556



36.4476, 34.4934, 22.6259



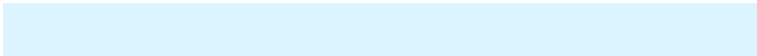
30.4311, 34.4934, 21.5742

Sweetspot

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



29.3774, 34.4947, 57.9337



79.6222, 86.8635, 107.1775



29.5097, 44.3833, 28.3084



16.5821, 18.1900, 22.8870



0.0000, 0.0000, 0.0000



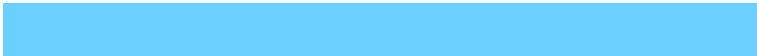
20.3446, 21.4041, 23.3091

Same Dimension

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



29.3774, 34.4947, 57.9337



46.7533, 55.6078, 102.8770



22.3961, 20.5321, 55.6066



10.6533, 11.4807, 13.5720



12.3859, 14.1657, 36.8258



0.6494, 0.7965, 1.7647

Inverse Universe

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



34.7534, 24.1643, 39.3929



57.9296, 36.3649, 63.8309



41.3455, 44.6714, 19.0150



10.9350, 10.7574, 12.6412



18.0512, 8.9700, 16.0112



0.8865, 0.4374, 0.9253

Previews

White Background



This preview shows how the XYZ color 29.3763, 34.4934, 57.9329 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 29.3763, 34.4934, 57.9329 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

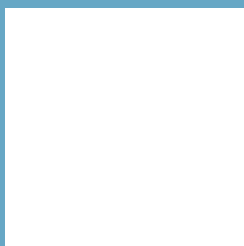
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3763, 34.4934, 57.9329

Background



This preview shows how black text looks on a background with the XYZ color 29.3763, 34.4934, 57.9329.



This preview shows how white text looks on a background with the XYZ color 29.3763, 34.4934,

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

29.3763, 34.4934, 57.9329

Protanopia

33.9452, 34.0739, 53.5030

Deuteranopia

35.0956, 34.2882, 59.4121



Tritanopia

27.7722, 34.3915, 49.9742

Trichromacy



Original Color

29.3763, 34.4934, 57.9329

Protanomaly

31.8693, 33.9784, 55.3309

Deuteranomaly

32.5385, 33.9881, 58.8782

Tritanomaly

28.2253, 34.2888, 52.7077

Monochromacy



Original Color

29.3763, 34.4934, 57.9329

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.7977, 31.9276, 41.6906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3763, 34.4934, 57.9329 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(102, 167, 197)` looks like.

```
.text, #text, p{  
    color:rgb(102, 167, 197)  
}
```

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(102, 167, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 167, 197) }
```

Border

The CSS property to change the border of an element to XYZ 29.3763, 34.4934, 57.9329 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(102, 167, 197) }
```


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

```
.border{ border-color:rgb(102, 167, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 167, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 167, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 167, 197);  
box-shadow:4px 4px 4px 4px rgb(102, 167,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3763, 34.4934, 57.9329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 167, 197) }
```

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

```
.background{ background-color: rgb(102,  
167, 197) }
```

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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