

Converting Colors

XYZ(29.7983, 34.0643, 54.6030)

Have a look what the booklet for
XYZ(29.7983, 34.0643, 54.6030)
contains.

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Color

**XYZ(29.7293, 33.9341,
54.8522)**

Conversions

Conversions Part 1

Format	Color
Hex	72A4C0
RGB	114, 164, 192
RGB Percent	45%, 64%, 75%
CMY	0.5529, 0.3569, 0.2471
CMYK	0.41, 0.15, 0.00, 0.25
HSL	202°, 38%, 60%
HSV	202°, 41%, 75%
XYZ	29.7293, 33.9341, 54.8522
YIQ	152.2420, -38.7880, -1.8920

Conversions

Conversions Part 2

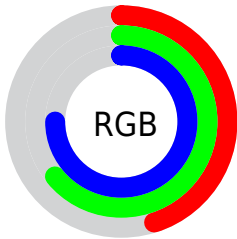
Format	Color
RYB	114, 144, 192
Decimal	7513280
CIELab	64.91, -9.35, -19.64
CIELCh	65, 21.748, 244.550
Yxy	33.9341, 0.2508, 0.2863
Android (android.graphics.Color)	4285703360 (0xFF72A4C0)
YUV	152.2420, 19.6007, -33.5382
Hunter-Lab	58.2530, -10.8456, -15.0516

Details

The XYZ color **29.7293, 33.9341, 54.8522** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.4491, 31.7680, 20.2367**, and the grayscale version is **29.8804, 31.4365, 34.2343**.

A 20% lighter version of the original color is **58.6370, 65.8754, 98.4317**, and **12.3061, 14.4154, 26.1786** is the 20% darker color. If you saturate the color by 10%, you get **26.2892, 30.3797, 54.3480**, and if you desaturate by 10%, it is **33.7626, 37.8951, 55.4048**.

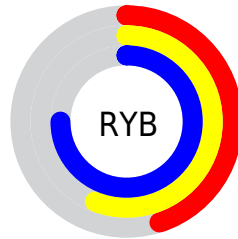
Distribution



Red (45%)

Green (64%)

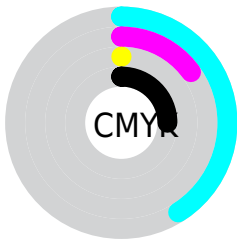
Blue (75%)



Red (45%)

Yellow (56%)

Blue (75%)

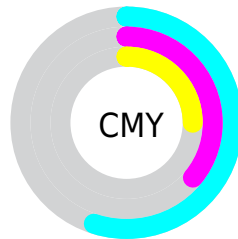


Cyan (41%)

Magenta (15%)

Yellow (0%)

Black (25%)



Cyan (55%)

Magenta (36%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7293, 33.9341, 54.8522 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 29.7293, 33.9341, 54.8522 by changing the saturation by 10% instead.

■ 29.7293, 33.9341,
54.8522

■ 29.7293, 33.9341,
54.8522

292.5731,
319.8381, 422.6176

■ 19.7803, 22.8430,
38.8856

■ 58.6234, 65.8312,
98.7933

■ 12.3427, 14.4776,
26.3636

■ 78.2992, 87.4059,
127.6050

■ 7.0514, 8.4536,
16.8676

■ 101.9479,
113.2440, 161.5354

■ 3.5409, 4.3865,
9.9792

129.9349,
143.7298, 201.0031

■ 1.4458, 1.8921,
5.2798

162.6256,
179.2477, 246.4266

■ 0.2885, 0.5436,
2.3507

200.3853,

■ 0.0000, 0.0000,

220.1821, 298.2245

0.7594

243.5793,
266.9175, 356.8153

■ 0.0000, 0.0000,
0.0000

■ 29.7293, 33.9341,
54.8522

■ 29.7293, 33.9341,
54.8522

■ 26.2892, 30.3797,
54.3480

■ 33.7626, 37.8951,
55.4048

■ 23.4049, 27.2087,
53.8880

■ 38.4171, 42.2763,
56.0051

■ 21.0396, 24.4014,
53.4708

■ 43.7228, 47.0955,
56.6557

■ 19.1503, 21.9339,
53.0941

■ 49.7067, 52.3680,
57.3580

■ 17.6860, 19.7783,
52.7552

■ 56.3941, 58.1083,
58.1135

■ 16.6075, 17.9917,
52.4672

■ 63.8092, 64.3302,
58.9236

■ 71.9747, 71.0470,
59.7897

■ 76.1225, 75.8017,
60.4889

■ 77.9595, 79.4757,
61.1012

Harmonies

Analogous

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



27.5345, 33.9341, 47.6411



29.7293, 33.9341, 54.8522



32.7344, 33.9341, 56.9907

Triad

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



29.7293, 33.9341, 54.8522



38.6500, 33.9341, 35.5943



28.9509, 33.9341, 24.4648

Complementary

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



29.7293, 33.9341, 54.8522



34.4491, 31.7680, 20.2367

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.



31.7770, 33.9341, 22.2605



29.7293, 33.9341, 54.8522



37.4827, 33.9341, 27.9889

Square

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



29.7293, 33.9341, 54.8522



38.0144, 33.9341, 44.8829



34.9164, 33.9341, 23.4380



27.1059, 33.9341, 30.0090

Rectangle

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



29.7293, 33.9341, 54.8522



34.8260, 33.9341, 55.0015



34.9164, 33.9341, 23.4380



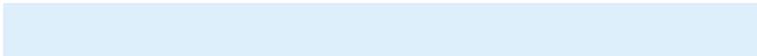
29.8107, 33.9341, 23.3535

Sweetspot

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



29.7304, 33.9354, 54.8530



77.6344, 83.9101, 102.4648



30.6200, 43.2095, 32.0439



16.3747, 17.7490, 21.9482



92.9021, 97.7402, 106.4391



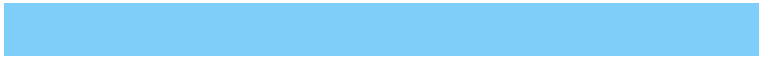
19.4759, 20.4902, 22.3138

Same Dimension

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



29.7304, 33.9354, 54.8530



48.1171, 55.5586, 98.5481



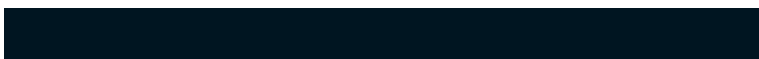
23.8773, 22.2293, 52.9020



10.0546, 10.8005, 12.8396



11.2508, 12.2580, 35.3297



0.5494, 0.6562, 1.5476

Inverse Universe

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



34.4573, 25.9224, 38.3108



58.1699, 40.0541, 63.0228



41.1581, 45.1859, 22.4730



10.3389, 10.1841, 11.8749



17.0748, 8.5197, 13.5720



0.7697, 0.3809, 0.7547

Previews

White Background



This preview shows how the XYZ color 29.7293, 33.9341, 54.8522 looks on a white background.

Color Contrast Check

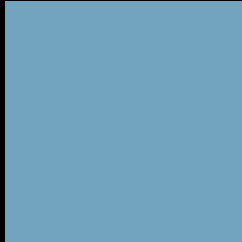
Large Text (above 18pt) WCAG AA × Fail

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 29.7293, 33.9341, 54.8522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

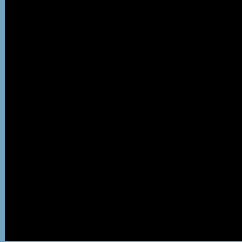
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

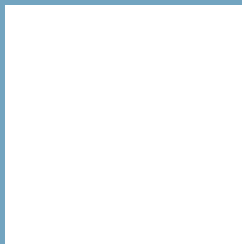
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7293, 33.9341, 54.8522

Background



This preview shows how black text looks on a background with the XYZ color 29.7293, 33.9341, 54.8522.



This preview shows how white text looks on a background with the XYZ color 29.7293, 33.9341,

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

29.7293, 33.9341, 54.8522

Protanopia

33.5139, 33.9014, 51.2316

Deuteranopia

34.4301, 33.7785, 55.7442



Tritanopia

28.3284, 33.9066, 47.6994

Trichromacy



Original Color

29.7293, 33.9341, 54.8522

Protanomaly

31.9565, 33.8304, 52.4226

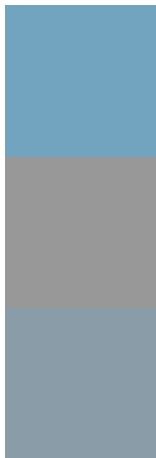
Deuteranomaly

32.5000, 33.7929, 55.2618

Tritanomaly

28.7890, 33.8157, 50.3571

Monochromacy



Original Color

29.7293, 33.9341, 54.8522

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.3448, 31.9702, 41.1835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7293, 33.9341, 54.8522 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(114, 164, 192)` looks like.

```
.text, #text, p{  
    color:rgb(114, 164, 192)  
}
```

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(114, 164, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 164, 192) }
```

Border

The CSS property to change the border of an element to XYZ 29.7293, 33.9341, 54.8522 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(114, 164, 192) }
```


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

```
.border{ border-color:rgb(114, 164, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 164, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 164, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 164, 192);  
box-shadow:4px 4px 4px 4px rgb(114, 164,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7293, 33.9341, 54.8522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 164, 192) }
```

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

```
.background{ background-color: rgb(114,  
164, 192) }
```

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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