

Converting Colors

XYZ(29.3704, 34.2291, 50.0946)

Have a look what the booklet for
XYZ(29.3704, 34.2291, 50.0946)
contains.

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Color

**XYZ(29.2048, 34.0422,
49.8313)**

Conversions

Conversions Part 1

Format	Color
Hex	74A5B7
RGB	116, 165, 183
RGB Percent	45%, 65%, 72%
CMY	0.5451, 0.3529, 0.2823
CMYK	0.37, 0.10, 0.00, 0.28
HSL	196°, 32%, 59%
HSV	196°, 37%, 72%
XYZ	29.2048, 34.0422, 49.8313
YIQ	152.4010, -34.9820, -4.7900

Conversions

Conversions Part 2

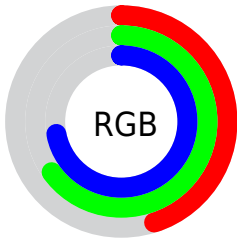
Format	Color
R _Y B	116, 144, 183
Decimal	7644599
CIE Lab	65.00, -11.72, -14.48
CIE LCh	65, 18.629, 231.002
Yxy	34.0422, 0.2583, 0.3010
Android (android.graphics.Color)	4285834679 (0xFF74A5B7)
YUV	152.4010, 15.0853, -31.9237
Hunter-Lab	58.3457, -12.7572, -9.7958

Details

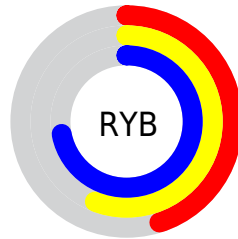
The XYZ color **29.2048, 34.0422, 49.8313** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.2064, 28.3787, 20.3566**, and the grayscale version is **29.9668, 31.5274, 34.3333**.

A 20% lighter version of the original color is **57.7508, 65.9644, 91.3500**, and **12.0487, 14.5119, 23.2851** is the 20% darker color. If you saturate the color by 10%, you get **26.1382, 31.1710, 49.4393**, and if you desaturate by 10%, it is **32.7867, 37.2313, 50.2587**.

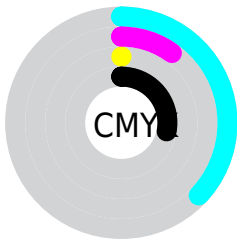
Distribution



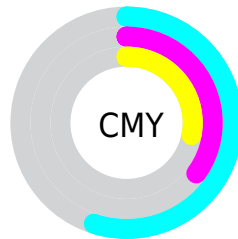
- Red (45%)
- Green (65%)
- Blue (72%)



- Red (45%)
- Yellow (56%)
- Blue (72%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)
- Black (28%)



- Cyan (55%)
- Magenta (35%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2048, 34.0422, 49.8313 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 29.2048, 34.0422, 49.8313 by changing the saturation by 10% instead.

■ 29.2048, 34.0422,
49.8313

■ 29.2048, 34.0422,
49.8313

290.1568,
320.3202, 402.7220

■ 19.3809, 22.9260,
34.9091

■ 57.7976, 65.9993,
91.3186

■ 12.0514, 14.5389,
23.3099

■ 77.2972, 87.6090,
118.7208

■ 6.8512, 8.4964,
14.6150

■ 100.7528,
113.4853, 151.1201

■ 3.4147, 4.4142,
8.4061

128.5296,
144.0127, 188.9351

■ 1.3767, 1.9079,
4.2644

160.9930,
179.5754, 232.5842

■ 0.2395, 0.5531,
1.7715

198.5085,

■ 0.0000, 0.0000,

220.5580, 282.4860

0.4090

241.4413,
267.3448, 339.0591

■ 0.0000, 0.0000,
0.0000

■ 29.2048, 34.0422,
49.8313

■ 29.2048, 34.0422,
49.8313

■ 26.1382, 31.1710,
49.4393

■ 32.7867, 37.2313,
50.2587

■ 23.5552, 28.5982,
49.0789

■ 36.9072, 40.7485,
50.7204

■ 21.4252, 26.3085,
48.7492

■ 41.5918, 44.6081,
51.2184

■ 19.7127, 24.2829,
48.4485

■ 46.8634, 48.8225,
51.7541

■ 18.3762, 22.4995,
48.1747

■ 52.7435, 53.4034,
52.3284

■ 17.3599, 20.9288,
47.9250

■ 59.2527, 58.3620,
52.9424

■ 17.0505, 20.4253,
47.8442

■ 66.4104, 63.7086,
53.5971

■ 71.4590, 68.0222,
54.1636

■ 72.6485, 70.4011,
54.5601

Harmonies

Analogous

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



27.7574, 34.0422, 42.6410



29.2048, 34.0422, 49.8313



31.5527, 34.0422, 53.7330

Triad

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



29.2048, 34.0422, 49.8313



37.7464, 34.0422, 39.4350



30.5350, 34.0422, 24.8706

Complementary

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



29.2048, 34.0422, 49.8313



31.2064, 28.3787, 20.3566

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.



33.1730, 34.0422, 24.2603



29.2048, 34.0422, 49.8313



37.4365, 34.0422, 31.9998

Square

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



29.2048, 34.0422, 49.8313



36.5508, 34.0422, 47.2068



35.7263, 34.0422, 26.6915



28.4953, 34.0422, 28.4929

Rectangle

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



29.2048, 34.0422, 49.8313



33.3547, 34.0422, 53.6177



35.7263, 34.0422, 26.6915



31.3776, 34.0422, 24.3283

Sweetspot

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



29.2058, 34.0435, 49.8321



70.5266, 76.6544, 91.3143



28.4304, 39.2982, 28.5931



15.3281, 16.7252, 20.1420



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.2058, 34.0435, 49.8321



47.7797, 56.7534, 88.6720



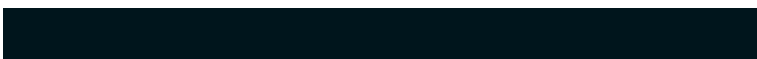
23.9520, 23.5359, 48.0808



9.0571, 9.7914, 11.4920



11.9535, 14.3666, 33.3961



0.4695, 0.6028, 1.1933

Inverse Universe

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



32.5662, 25.2755, 38.7611



54.8593, 39.3612, 65.1052



36.5675, 39.1009, 22.1437



9.2752, 9.1204, 10.7965



16.6472, 8.2327, 16.5611



0.6112, 0.2999, 0.7118

Previews

White Background



This preview shows how the XYZ color 29.2048, 34.0422, 49.8313 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 29.2048, 34.0422, 49.8313 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

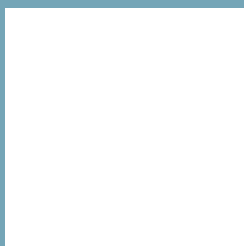
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2048, 34.0422, 49.8313

Background



This preview shows how black text looks on a background with the XYZ color 29.2048, 34.0422, 49.8313.



This preview shows how white text looks on a background with the XYZ color 29.2048, 34.0422,

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

29.2048, 34.0422, 49.8313

Protanopia

33.1507, 33.8213, 46.3759

Deuteranopia

34.4463, 33.6562, 50.5797



Tritanopia

28.8431, 34.1719, 47.7235

Trichromacy



Original Color

29.2048, 34.0422, 49.8313

Protanomaly

31.3500, 33.6264, 47.4860

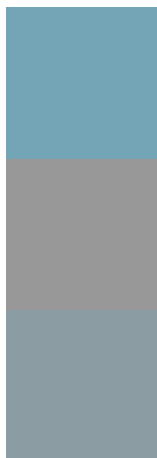
Deuteranomaly

32.0364, 33.4143, 50.1085

Tritanomaly

28.9447, 34.2126, 48.2582

Monochromacy



Original Color

29.2048, 34.0422, 49.8313

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.3153, 32.2473, 39.3296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2048, 34.0422, 49.8313 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(116, 165, 183)` looks like.

```
.text, #text, p{  
    color:rgb(116, 165, 183)  
}
```

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(116, 165, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 165, 183) }
```

Border

The CSS property to change the border of an element to XYZ 29.2048, 34.0422, 49.8313 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(116, 165, 183) }
```


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

```
.border{ border-color:rgb(116, 165, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 165, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 165, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 165, 183);  
box-shadow:4px 4px 4px 4px rgb(116, 165,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2048, 34.0422, 49.8313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 165, 183) }
```

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

```
.background{ background-color: rgb(116,  
165, 183) }
```

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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