

Converting Colors

XYZ(29.7437, 34.3824, 47.0115)

Have a look what the booklet for
XYZ(29.7437, 34.3824, 47.0115)
contains.

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Color

**XYZ(29.8032, 34.4097,
47.1904)**

Conversions

Conversions Part 1

Format	Color
Hex	7CA5B2
RGB	124, 165, 178
RGB Percent	49%, 65%, 70%
CMY	0.5137, 0.3529, 0.3020
CMYK	0.30, 0.07, 0.00, 0.30
HSL	194°, 26%, 59%
HSV	194°, 30%, 70%
XYZ	29.8032, 34.4097, 47.1904
YIQ	154.2230, -28.6090, -4.6490

Conversions

Conversions Part 2

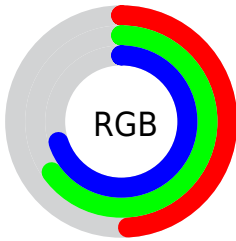
Format	Color
RYB	124, 147, 178
Decimal	8168882
CIELab	65.29, -10.69, -11.21
CIELCh	65, 15.484, 226.358
Yxy	34.4097, 0.2675, 0.3089
Android (android.graphics.Color)	4286358962 (0xFF7CA5B2)
YUV	154.2230, 11.7221, -26.5056
Hunter-Lab	58.6598, -11.9644, -6.6355

Details

The XYZ color **29.8032, 34.4097, 47.1904** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.9443, 28.8119, 22.9999**, and the grayscale version is **30.7730, 32.3756, 35.2571**.

A 20% lighter version of the original color is **58.8046, 66.5919, 87.5961**, and **12.3545, 14.7074, 21.5897** is the 20% darker color. If you saturate the color by 10%, you get **26.6997, 31.6824, 46.8281**, and if you desaturate by 10%, it is **33.3991, 37.4309, 47.5846**.

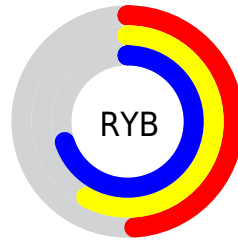
Distribution



Red (49%)

Green (65%)

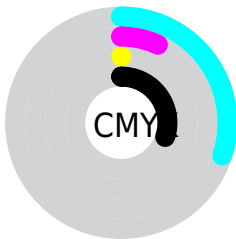
Blue (70%)



Red (49%)

Yellow (58%)

Blue (70%)

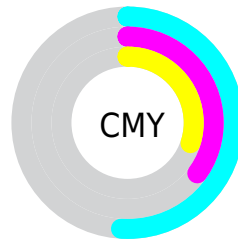


Cyan (30%)

Magenta (7%)

Yellow (0%)

Black (30%)



Cyan (51%)

Magenta (35%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8032, 34.4097, 47.1904 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 29.8032, 34.4097, 47.1904 by changing the saturation by 10% instead.

■ 29.8032, 34.4097,
47.1904

■ 29.8032, 34.4097,
47.1904

292.9124,
321.9550, 391.9898

■ 19.8366, 23.2085,
32.8308

■ 58.7396, 66.5703,
87.3507

■ 12.3839, 14.7476,
21.7268

■ 78.4401, 88.2985,
113.9885

■ 7.0797, 8.6424,
13.4599

■ 102.1159,
114.3045, 145.5561

■ 3.5588, 4.5087,
7.6115

130.1324,
144.9726, 182.4720

■ 1.4557, 1.9620,
3.7632

162.8549,
180.6874, 225.1547

■ 0.2954, 0.5852,
1.4964

200.6489,

■ 0.0000, 0.0000,

221.8331, 274.0229

0.2152

243.8796,
268.7942, 329.4951

■ 0.0000, 0.0000,
0.0000

■ 29.8032, 34.4097,
47.1904

■ 29.8032, 34.4097,
47.1904

■ 26.6997, 31.6824,
46.8281

■ 33.3991, 37.4309,
47.5846

■ 24.0601, 29.2316,
46.4942

■ 37.5075, 40.7543,
48.0095

■ 21.8579, 27.0439,
46.1880

■ 42.1513, 44.3928,
48.4671

■ 20.0625, 25.1033,
45.9081

■ 47.3511, 48.3575,
48.9583

■ 18.6389, 23.3912,
45.6526

■ 53.1263, 52.6587,
49.4841

■ 17.5462, 21.8863,
45.4197

■ 59.4953, 57.3063,
50.0455

■ 16.7215, 20.5855,
45.2121

■ 66.4758, 62.3096,
50.6433

■ 69.7640, 65.4504,
51.0763

■ 70.7656, 67.4536,
51.4101

Harmonies

Analogous

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



28.7188, 34.4097, 41.0736



29.8032, 34.4097, 47.1904



31.6933, 34.4097, 50.8760

Triad

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



29.8032, 34.4097, 47.1904



37.1026, 34.4097, 40.4722



31.4994, 34.4097, 26.7694

Complementary

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



29.8032, 34.4097, 47.1904



30.9443, 28.8119, 22.9999

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.



33.7388, 34.4097, 26.6479



29.8032, 34.4097, 47.1904



37.0448, 34.4097, 34.0767

Square

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



29.8032, 34.4097, 47.1904



35.9446, 34.4097, 46.7068



35.7901, 34.4097, 29.1792



29.6669, 34.4097, 29.5328

Rectangle

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



29.8032, 34.4097, 47.1904



33.1879, 34.4097, 51.2127



35.7901, 34.4097, 29.1792



32.2276, 34.4097, 26.4302

Sweetspot

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



29.8042, 34.4111, 47.1912



68.9594, 74.6531, 87.1561



28.7200, 37.9212, 29.3234



15.0229, 16.3368, 19.2838



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.8042, 34.4111, 47.1912



50.4071, 59.2306, 85.1571



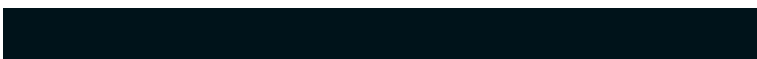
25.4948, 25.7922, 45.7547



8.5659, 9.2780, 10.8457



12.0150, 14.8303, 32.3663



0.4200, 0.5505, 1.0324

Inverse Universe

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



32.3601, 26.5978, 39.0271



55.8416, 43.2555, 67.6547



35.2028, 37.3289, 24.4194



8.7608, 8.6111, 10.2390



16.2992, 8.0373, 17.2676



0.5340, 0.2613, 0.6547

Previews

White Background



This preview shows how the XYZ color 29.8032, 34.4097, 47.1904 looks on a white background.

Color Contrast Check

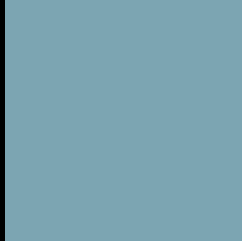
Large Text (above 18pt) WCAG AA × Fail

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 29.8032, 34.4097, 47.1904 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

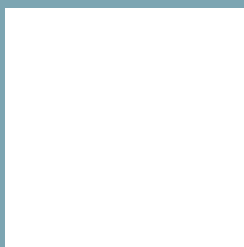
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8032, 34.4097, 47.1904

Background



This preview shows how black text looks on a background with the XYZ color 29.8032, 34.4097, 47.1904.



This preview shows how white text looks on a background with the XYZ color 29.8032, 34.4097,

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

29.8032, 34.4097, 47.1904

Protanopia

33.3101, 34.1990, 44.3806

Deuteranopia

34.8981, 34.1930, 47.9406



Tritanopia

29.8032, 34.4097, 47.1904

Trichromacy



Original Color

29.8032, 34.4097, 47.1904

Protanomaly

31.8103, 34.1660, 45.4756

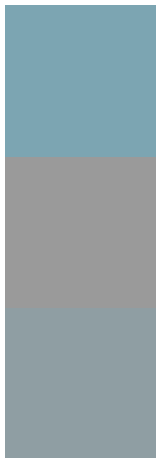
Deuteranomaly

32.7580, 34.0980, 47.5029

Tritanomaly

29.8032, 34.4097, 47.1904

Monochromacy



Original Color

29.8032, 34.4097, 47.1904

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.1654, 32.9377, 39.4181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8032, 34.4097, 47.1904 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(124, 165, 178)` looks like.

```
.text, #text, p{  
    color:rgb(124, 165, 178)  
}
```

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(124, 165, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 165, 178) }
```

Border

The CSS property to change the border of an element to XYZ 29.8032, 34.4097, 47.1904 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(124, 165, 178) }
```


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

```
.border{ border-color:rgb(124, 165, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 165, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 165, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 165, 178);  
box-shadow:4px 4px 4px 4px rgb(124, 165,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8032, 34.4097, 47.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 165, 178) }
```

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

```
.background{ background-color: rgb(124,  
165, 178) }
```

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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