

Converting Colors

XYZ(29.9556, 36.2888, 47.4535)

Have a look what the booklet for
XYZ(29.9556, 36.2888, 47.4535)
contains.

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Color

**XYZ(30.1245, 36.5013,
47.5772)**

Conversions

Conversions Part 1

Format	Color
Hex	75ACB2
RGB	117, 172, 178
RGB Percent	46%, 67%, 70%
CMY	0.5412, 0.3255, 0.3020
CMYK	0.34, 0.03, 0.00, 0.30
HSL	186°, 28%, 58%
HSV	186°, 34%, 70%
XYZ	30.1245, 36.5013, 47.5772
YIQ	156.2390, -34.7060, -9.7940

Conversions

Conversions Part 2

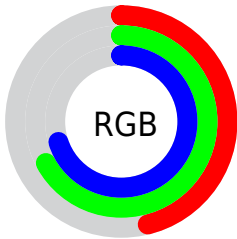
Format	Color
RYB	117, 146, 178
Decimal	7711922
CIELab	66.90, -16.43, -8.83
CIELCh	67, 18.654, 208.265
Yxy	36.5013, 0.2638, 0.3196
Android (android.graphics.Color)	4285902002 (0xFF75ACB2)
YUV	156.2390, 10.7282, -34.4126
Hunter-Lab	60.4163, -16.7257, -4.3988

Details

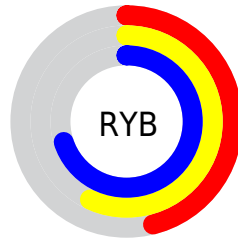
The XYZ color **30.1245, 36.5013, 47.5772** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.6544, 24.9156, 20.1293**, and the grayscale version is **31.6722, 33.3216, 36.2872**.

A 20% lighter version of the original color is **59.1150, 69.5366, 88.1481**, and **12.5981, 16.0374, 21.8336** is the 20% darker color. If you saturate the color by 10%, you get **27.6259, 34.7228, 47.3662**, and if you desaturate by 10%, it is **33.0844, 38.5259, 47.8126**.

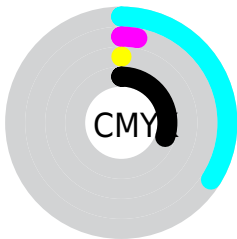
Distribution



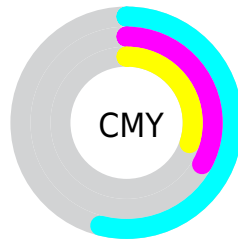
- Red (46%)
- Green (67%)
- Blue (70%)



- Red (46%)
- Yellow (57%)
- Blue (70%)



- Cyan (34%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)



- Cyan (54%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1245, 36.5013, 47.5772 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 30.1245, 36.5013, 47.5772 by changing the saturation by 10% instead.

■ 30.1245, 36.5013,
47.5772

■ 30.1245, 36.5013,
47.5772

294.3838,
331.1464, 393.5741

■ 20.0816, 24.8216,
33.1346

■ 59.2443, 69.8051,
87.9335

■ 12.5630, 15.9442,
21.9576

■ 79.0519, 92.1980,
114.6844

■ 7.2033, 9.4847,
13.6277

■ 102.8452,
118.9308, 146.3750

■ 3.6370, 5.0586,
7.7264

130.9895,
150.3878, 183.4239

■ 1.4989, 2.2817,
3.8351

163.8502,
186.9535, 226.2498

■ 0.3251, 0.7640,
1.5353

201.7925,

■ 0.0000, 0.0000,

229.0122, 275.2710

0.2441

245.1819,
276.9484, 330.9063

■ 0.0000, 0.0000,
0.0000

■ 30.1245, 36.5013,
47.5772

■ 30.1245, 36.5013,
47.5772

■ 27.6259, 34.7228,
47.3662

■ 33.0844, 38.5259,
47.8126

■ 25.5595, 33.1728,
47.1760

■ 36.5262, 40.8045,
48.0710

■ 23.8980, 31.8379,
47.0059

■ 40.4732, 43.3502,
48.3543

■ 22.6093, 30.7017,
46.8545

■ 44.9460, 46.1735,
48.6636

■ 21.6569, 29.7452,
46.7201

■ 49.9645, 49.2847,
48.9996

■ 20.9964, 28.9456,
46.6005

■ 55.5470, 52.6933,
49.3633

■ 20.6934, 28.5292,
46.5361

■ 61.7115, 56.4086,
49.7555

■ 66.8360, 59.5945,
50.1003

■ 67.2071, 60.3365,
50.2240

Harmonies

Analogous

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



29.5410, 36.5013, 39.2743



30.1245, 36.5013, 47.5772



31.9132, 36.5013, 54.5012

Triad

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



30.1245, 36.5013, 47.5772



39.5226, 36.5013, 48.5034



34.8582, 36.5013, 26.1308

Complementary

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



30.1245, 36.5013, 47.5772



28.6544, 24.9156, 20.1293

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.



37.6305, 36.5013, 27.9241



30.1245, 36.5013, 47.5772



40.4126, 36.5013, 40.2168

Square

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



30.1245, 36.5013, 47.5772



37.3305, 36.5013, 55.0850



39.7024, 36.5013, 32.8210



32.1835, 36.5013, 27.5533

Rectangle

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



30.1245, 36.5013, 47.5772



33.6000, 36.5013, 57.0090



39.7024, 36.5013, 32.8210



35.8103, 36.5013, 26.3721

Sweetspot

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



30.1256, 36.5027, 47.5780



69.0556, 75.8265, 87.3775



26.7753, 37.0306, 24.1766



15.0835, 16.6597, 19.3429



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.



30.1256, 36.5027, 47.5780



51.1805, 63.7522, 85.9891



25.1079, 26.4673, 45.9055



8.6698, 9.4859, 10.8803



14.8319, 20.4641, 33.3052



0.4872, 0.6849, 1.0548

Inverse Universe

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



32.1687, 25.1670, 42.1936



55.5059, 40.3410, 74.4577



32.8948, 33.3964, 21.5428



8.8133, 8.6320, 10.5152



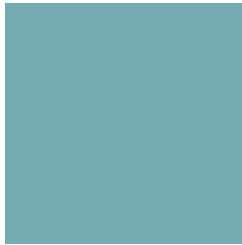
17.7211, 8.6060, 24.7550



0.5679, 0.2749, 0.8334

Previews

White Background



This preview shows how the XYZ color 30.1245, 36.5013, 47.5772 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 30.1245, 36.5013, 47.5772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

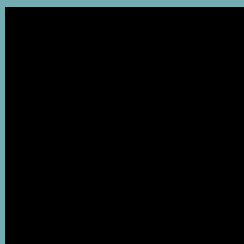
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

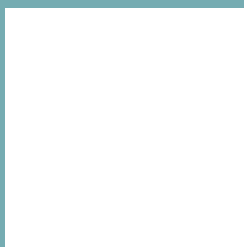
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1245, 36.5013, 47.5772

Background



This preview shows how black text looks on a background with the XYZ color 30.1245, 36.5013, 47.5772.



This preview shows how white text looks on a background with the XYZ color 30.1245, 36.5013,

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

30.1245, 36.5013, 47.5772

Protanopia

34.9958, 36.1114, 43.6538

Deuteranopia

36.9295, 36.2249, 48.7618



Tritanopia

30.9276, 36.5505, 51.3238

Trichromacy



Original Color

30.1245, 36.5013, 47.5772

Protanomaly

32.9492, 36.0773, 45.2714

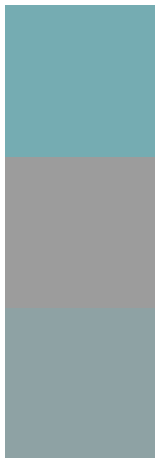
Deuteranomaly

33.9131, 35.9737, 48.3362

Tritanomaly

30.4776, 36.3548, 49.6668

Monochromacy



Original Color

30.1245, 36.5013, 47.5772

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.7765, 34.2718, 40.1150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1245, 36.5013, 47.5772 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(117, 172, 178)` looks like.

```
.text, #text, p{  
    color:rgb(117, 172, 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(117, 172, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 172, 178) }
```

Border

The CSS property to change the border of an element to XYZ 30.1245, 36.5013, 47.5772 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(117, 172, 178) }
```


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

```
.border{ border-color:rgb(117, 172, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 172, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 172, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 172, 178);  
box-shadow:4px 4px 4px 4px rgb(117, 172,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1245, 36.5013, 47.5772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 172, 178) }
```

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

```
.background{ background-color: rgb(117,  
172, 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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