

Converting Colors

XYZ(30.8307, 36.2822, 48.4484)

Have a look what the booklet for
XYZ(30.8307, 36.2822, 48.4484)
contains.

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Color

**XYZ(30.7813, 36.2557,
48.5557)**

Conversions

Conversions Part 1

Format	Color
Hex	7BAAB4
RGB	123, 170, 180
RGB Percent	48%, 67%, 71%
CMY	0.5176, 0.3333, 0.2941
CMYK	0.32, 0.06, 0.00, 0.29
HSL	191°, 28%, 59%
HSV	191°, 32%, 71%
XYZ	30.7813, 36.2557, 48.5557
YIQ	157.0870, -31.2220, -6.8540

Conversions

Conversions Part 2

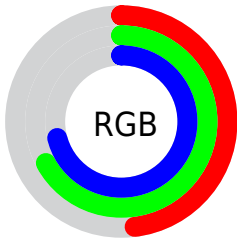
Format	Color
RYB	123, 149, 180
Decimal	8104628
CIELab	66.71, -13.17, -10.19
CIElCh	67, 16.648, 217.732
Yxy	36.2557, 0.2663, 0.3137
Android (android.graphics.Color)	4286294708 (0xFF7BAAB4)
YUV	157.0870, 11.2961, -29.8943
Hunter-Lab	60.2127, -14.1214, -5.6627

Details

The XYZ color **30.7813, 36.2557, 48.5557** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.7855, 27.9087, 22.5040**, and the grayscale version is **32.0486, 33.7177, 36.7185**.

A 20% lighter version of the original color is **60.1970, 69.2537, 89.5515**, and **12.9077, 15.8288, 22.4536** is the 20% darker color. If you saturate the color by 10%, you get **27.8548, 33.8798, 48.2520**, and if you desaturate by 10%, it is **34.1976, 38.9070, 48.8880**.

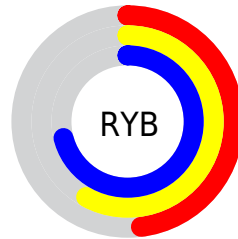
Distribution



Red (48%)

Green (67%)

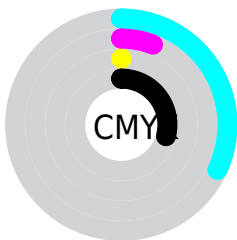
Blue (71%)



Red (48%)

Yellow (58%)

Blue (71%)

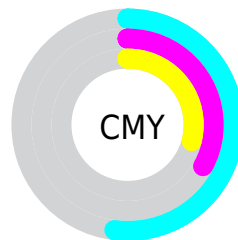


Cyan (32%)

Magenta (6%)

Yellow (0%)

Black (29%)



Cyan (52%)

Magenta (33%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7813, 36.2557, 48.5557 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 30.7813, 36.2557, 48.5557 by changing the saturation by 10% instead.

■ 30.7813, 36.2557,
48.5557

■ 30.7813, 36.2557,
48.5557

297.3744,
330.0768, 397.5626

■ 20.5834, 24.6317,
33.9041

■ 60.2738, 69.4265,
89.4054

■ 12.9305, 15.8029,
22.5431

■ 80.2990, 91.7422,
116.4404

■ 7.4574, 9.3848,
14.0544

■ 104.3308,
118.3906, 148.4404

■ 3.7986, 4.9930,
8.0193

132.7344,
149.7561, 185.8238

■ 1.5888, 2.2432,
4.0194

165.8752,
186.2230, 229.0092

■ 0.3851, 0.7434,
1.6360

204.1186,

■ 0.0000, 0.0000,

228.1759, 278.4151

0.3163

247.8299,
275.9990, 334.4601

■ 0.0000, 0.0000,
0.0000

■ 30.7813, 36.2557,
48.5557

■ 30.7813, 36.2557,
48.5557

■ 27.8548, 33.8798,
48.2520

■ 34.1976, 38.9070,
48.8880

■ 25.3888, 31.7613,
47.9730

■ 38.1247, 41.8420,
49.2475

■ 23.3558, 29.8869,
47.7184

■ 42.5859, 45.0738,
49.6362

■ 21.7240, 28.2399,
47.4865

■ 47.6025, 48.6134,
50.0550

■ 20.4570, 26.8015,
47.2756

■ 53.1944, 52.4712,
50.5049

■ 19.5116, 25.5493,
47.0837

■ 59.3805, 56.6572,
50.9868

■ 18.8955, 24.6097,
46.9349

■ 66.1789, 61.1808,
51.5017

■ 69.0521, 63.7029,
51.8371

■ 69.7683, 65.1353,
52.0758

Harmonies

Analogous

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



29.8944, 36.2557, 41.3656



30.7813, 36.2557, 48.5557



32.6628, 36.2557, 53.7025

Triad

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



30.7813, 36.2557, 48.5557



39.1231, 36.2557, 44.9505



33.8146, 36.2557, 27.3003

Complementary

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



30.7813, 36.2557, 48.5557



30.7855, 27.9087, 22.5040

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.



36.3218, 36.2557, 28.0145



30.7813, 36.2557, 48.5557



39.4682, 36.2557, 37.6454

Square

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



30.7813, 36.2557, 48.5557



37.4994, 36.2557, 51.4511



38.4206, 36.2557, 31.6057



31.5894, 36.2557, 29.5205

Rectangle

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



30.7813, 36.2557, 48.5557



34.2692, 36.2557, 54.9648



38.4206, 36.2557, 31.6057



34.6514, 36.2557, 27.2106

Sweetspot

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



30.7824, 36.2571, 48.5565



71.0664, 77.2879, 89.4671



28.6895, 38.5338, 27.9361



15.1186, 16.5281, 19.3157



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.



30.7824, 36.2571, 48.5565



52.0164, 62.6797, 87.6514



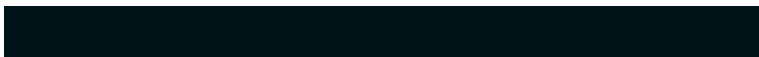
26.0803, 26.8530, 46.9892



8.6133, 9.3729, 10.8615



13.2315, 17.2634, 32.7718



0.4496, 0.6097, 1.0422

Inverse Universe

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



33.1619, 26.7723, 41.4516



57.1049, 43.0959, 72.3009



35.1431, 36.6238, 23.9565



8.7848, 8.6206, 10.3651



16.9133, 8.2829, 20.5012



0.5490, 0.2673, 0.7335

Previews

White Background



This preview shows how the XYZ color 30.7813, 36.2557, 48.5557 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 30.7813, 36.2557, 48.5557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

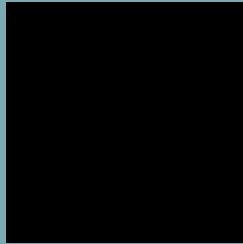
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7813, 36.2557, 48.5557

Background



This preview shows how black text looks on a background with the XYZ color 30.7813, 36.2557, 48.5557.

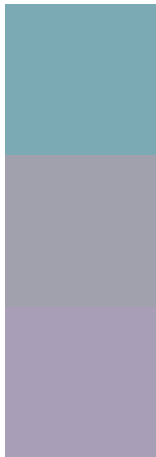


This preview shows how white text looks on a background with the XYZ color 30.7813, 36.2557,

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

30.7813, 36.2557, 48.5557

Protanopia

35.0828, 36.1228, 45.1677

Deuteranopia

36.9226, 36.1974, 49.8405



Tritanopia

31.2341, 36.4534, 50.1897

Trichromacy



Original Color

30.7813, 36.2557, 48.5557

Protanomaly

33.1446, 35.8886, 46.2546

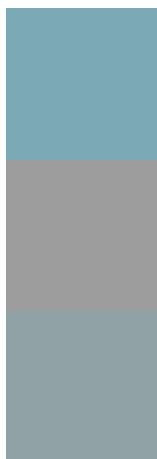
Deuteranomaly

34.3127, 35.8935, 49.3756

Tritanomaly

31.1304, 36.4119, 49.6434

Monochromacy



Original Color

30.7813, 36.2557, 48.5557

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.3889, 34.5770, 40.6170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7813, 36.2557, 48.5557 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(123, 170, 180)` looks like.

```
.text, #text, p{  
    color:rgb(123, 170, 180)  
}
```

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(123, 170, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 170, 180) }
```

Border

The CSS property to change the border of an element to XYZ 30.7813, 36.2557, 48.5557 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(123, 170, 180) }
```


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

```
.border{ border-color:rgb(123, 170, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 170, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 170, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 170, 180);  
box-shadow:4px 4px 4px 4px rgb(123, 170,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7813, 36.2557, 48.5557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 170, 180) }
```

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

```
.background{ background-color: rgb(123,  
170, 180) }
```

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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