

Converting Colors

XYZ(30.0817, 36.9488, 46.3832)

Have a look what the booklet for
XYZ(30.0817, 36.9488, 46.3832)
contains.

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Color

**XYZ(30.1750, 37.1197,
46.6487)**

Conversions

Conversions Part 1

Format	Color
Hex	74AEB0
RGB	116, 174, 176
RGB Percent	45%, 68%, 69%
CMY	0.5451, 0.3176, 0.3098
CMYK	0.34, 0.01, 0.00, 0.31
HSL	182°, 28%, 57%
HSV	182°, 34%, 69%
XYZ	30.1750, 37.1197, 46.6487
YIQ	156.8860, -35.2100, -11.6740

Conversions

Conversions Part 2

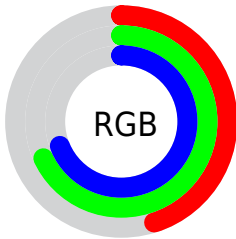
Format	Color
RYB	116, 145, 176
Decimal	7646896
CIELab	67.37, -18.25, -7.04
CIELCh	67, 19.556, 201.090
Yxy	37.1197, 0.2648, 0.3258
Android (android.graphics.Color)	4285836976 (0xFF74AEB0)
YUV	156.8860, 9.4232, -35.8570
Hunter-Lab	60.9259, -18.2141, -2.7480

Details

The XYZ color **30.1750, 37.1197, 46.6487** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.5358, 23.4483, 19.5985**, and the grayscale version is **31.9678, 33.6326, 36.6259**.

A 20% lighter version of the original color is **59.4399, 70.9659, 86.9089**, and **12.5898, 16.2200, 21.5360** is the 20% darker color. If you saturate the color by 10%, you get **27.9408, 35.8011, 46.5126**, and if you desaturate by 10%, it is **32.8551, 38.6707, 46.8074**.

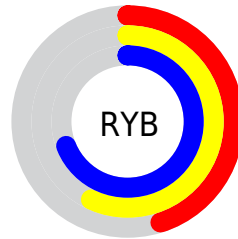
Distribution



Red (45%)

Green (68%)

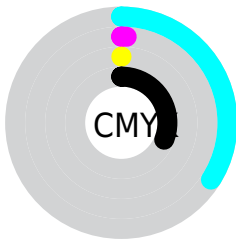
Blue (69%)



Red (45%)

Yellow (57%)

Blue (69%)

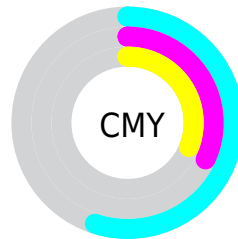


Cyan (34%)

Magenta (1%)

Yellow (0%)

Black (31%)



Cyan (55%)

Magenta (32%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1750, 37.1197, 46.6487 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 30.1750, 37.1197, 46.6487 by changing the saturation by 10% instead.

■ 30.1750, 37.1197,
46.6487

■ 30.1750, 37.1197,
46.6487

294.6145,
333.8285, 389.7636

■ 20.1202, 25.3002,
32.4057

■ 59.3235, 70.7568,
86.5335

■ 12.5912, 16.3008,
21.4042

■ 79.1480, 93.3433,
113.0123

■ 7.2227, 9.7373,
13.2256

■ 102.9597,
120.2874, 144.4068

■ 3.6493, 5.2251,
7.4516

131.1240,
151.9738, 181.1356

■ 1.5057, 2.3799,
3.6634

164.0063,
188.7866, 223.6171

■ 0.3297, 0.8155,
1.4425

201.9719,

■ 0.0000, 0.0000,

231.1104, 272.2699

0.1746

245.3862,
279.3296, 327.5126

■ 0.0000, 0.0000,
0.0000

■ 30.1750, 37.1197,
46.6487

■ 30.1750, 37.1197,
46.6487

■ 27.9408, 35.8011,
46.5126

■ 32.8551, 38.6707,
46.8074

■ 26.1242, 34.6976,
46.3953

■ 36.0009, 40.4617,
46.9873

■ 24.6986, 33.7964,
46.2965

■ 39.6352, 42.5051,
47.1902

■ 23.6331, 33.0816,
46.2147

■ 43.7780, 44.8115,
47.4170

■ 22.8922, 32.5349,
46.1482

■ 48.4484, 47.3906,
47.6687

■ 22.4329, 32.1340,
46.0950

■ 53.6645, 50.2517,
47.9460

■ 22.2376, 31.9367,
46.0673

■ 59.4435, 53.4038,
48.2498

■ 65.1350, 56.5115,
48.5497

■ 65.2525, 56.7464,
48.5889

Harmonies

Analogous

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



29.8909, 37.1197, 37.9155



30.1750, 37.1197, 46.6487



31.7854, 37.1197, 54.6610

Triad

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



30.1750, 37.1197, 46.6487



39.9560, 37.1197, 51.6895



36.1808, 37.1197, 26.2116

Complementary

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



30.1750, 37.1197, 46.6487



27.5358, 23.4483, 19.5985

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.



39.0243, 37.1197, 28.8912



30.1750, 37.1197, 46.6487



41.2834, 37.1197, 43.0263

Square

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



30.1750, 37.1197, 46.6487



37.3948, 37.1197, 57.8456



40.9331, 37.1197, 34.7666



33.2487, 37.1197, 26.8963

Rectangle

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



30.1750, 37.1197, 46.6487



33.4471, 37.1197, 58.1188



40.9331, 37.1197, 34.7666



37.1811, 37.1197, 26.7329

Sweetspot

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



30.1761, 37.1212, 46.6496



67.7656, 74.7783, 85.3573



25.9395, 36.0487, 22.4214



14.4950, 16.0981, 18.4876



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.1761, 37.1212, 46.6496



51.5659, 65.4620, 84.4129



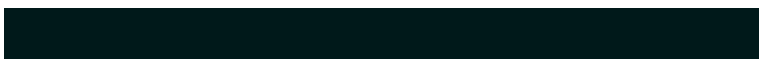
25.1651, 27.0993, 44.9792



8.7179, 9.5820, 10.8964



16.3248, 23.4499, 33.8029



0.5211, 0.7528, 1.0661

Inverse Universe

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



31.7908, 24.7778, 43.1531



54.9713, 39.6927, 76.9797



31.4913, 31.3593, 20.9170



8.8376, 8.6417, 10.6430



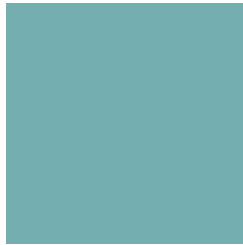
18.4746, 8.9074, 28.7232



0.5851, 0.2818, 0.9236

Previews

White Background



This preview shows how the XYZ color 30.1750, 37.1197, 46.6487 looks on a white background.

Color Contrast Check

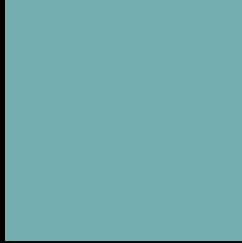
Large Text (above 18pt) WCAG AA × Fail

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 30.1750, 37.1197, 46.6487 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

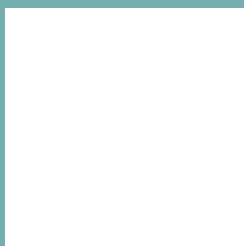
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1750, 37.1197, 46.6487

Background



This preview shows how black text looks on a background with the XYZ color 30.1750, 37.1197, 46.6487.

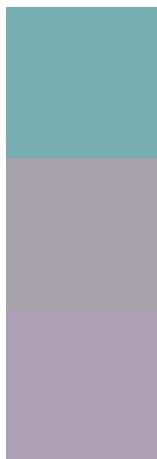


This preview shows how white text looks on a background with the XYZ color 30.1750, 37.1197,

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

30.1750, 37.1197, 46.6487

Protanopia

35.5988, 36.7046, 42.7445

Deuteranopia

37.5481, 36.8216, 47.7761



Tritanopia

31.2232, 36.9722, 51.9451

Trichromacy



Original Color

30.1750, 37.1197, 46.6487

Protanomaly

33.1152, 36.4540, 44.3207

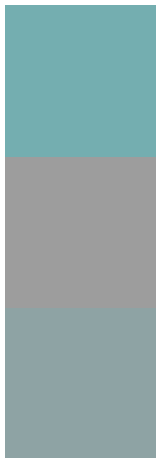
Deuteranomaly

34.2602, 36.4407, 47.3475

Tritanomaly

30.8583, 37.1161, 49.7937

Monochromacy



Original Color

30.1750, 37.1197, 46.6487

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.9534, 34.6255, 40.1739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1750, 37.1197, 46.6487 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, 174, 176)` looks like.

```
.text, #text, p{  
    color:rgb(116, 174, 176)  
}
```

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, 174, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 174, 176) }
```

Border

The CSS property to change the border of an element to XYZ 30.1750, 37.1197, 46.6487 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, 174, 176) }
```


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

```
.border{ border-color:rgb(116, 174, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 174, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 174, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 174, 176);  
box-shadow:4px 4px 4px 4px rgb(116, 174,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1750, 37.1197, 46.6487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 174, 176) }
```

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

```
.background{ background-color: rgb(116,  
174, 176) }
```

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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