

Converting Colors

XYZ(30.6961, 37.6692, 46.1281)

Have a look what the booklet for
XYZ(30.6961, 37.6692, 46.1281)
contains.

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Color

**XYZ(30.6756, 37.6770,
46.2131)**

Conversions

Conversions Part 1

Format	Color
Hex	77AFAF
RGB	119, 175, 175
RGB Percent	47%, 69%, 69%
CMY	0.5333, 0.3137, 0.3137
CMYK	0.32, 0.00, 0.00, 0.31
HSL	180°, 26%, 58%
HSV	180°, 32%, 69%
XYZ	30.6756, 37.6770, 46.2131
YIQ	158.2560, -33.3760, -11.8720

Conversions

Conversions Part 2

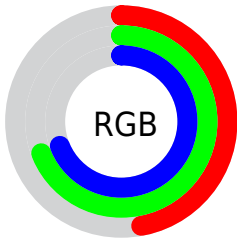
Format	Color
RYB	119, 147, 175
Decimal	7843759
CIELab	67.78, -18.16, -5.85
CIElCh	68, 19.079, 197.857
Yxy	37.6770, 0.2678, 0.3289
Android (android.graphics.Color)	4286033839 (0xFF77AFAF)
YUV	158.2560, 8.2548, -34.4275
Hunter-Lab	61.3816, -18.2120, -1.6713

Details

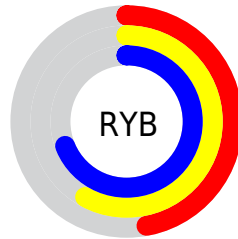
The XYZ color **30.6756, 37.6770, 46.2131** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.6071, 23.6407, 20.5623**, and the grayscale version is **32.5910, 34.2883, 37.3399**.

A 20% lighter version of the original color is **60.0924, 71.7492, 85.5447**, and **12.8494, 16.5424, 21.2547** is the 20% darker color. If you saturate the color by 10%, you get **28.4918, 36.5521, 46.1114**, and if you desaturate by 10%, it is **33.3039, 39.0329, 46.3372**.

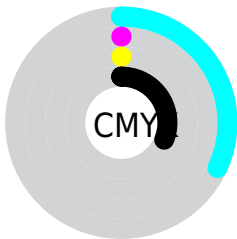
Distribution



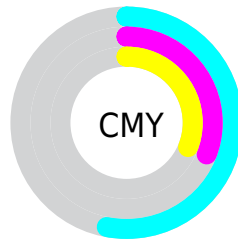
- Red (47%)
- Green (69%)
- Blue (69%)



- Red (47%)
- Yellow (58%)
- Blue (69%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (53%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6756, 37.6770, 46.2131 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 30.6756, 37.6770, 46.2131 by changing the saturation by 10% instead.

■ 30.6756, 37.6770,
46.2131

■ 30.6756, 37.6770,
46.2131

296.8947,
336.2323, 387.9672

■ 20.5026, 25.7321,
32.0641

■ 60.1083, 71.6128,
85.8755

■ 12.8713, 16.6233,
21.1453

■ 80.0987, 94.3725,
112.2260

■ 7.4163, 9.9663,
13.0380

■ 104.0922,
121.5059, 143.4807

■ 3.7724, 5.3766,
7.3237

132.4542,
153.3974, 180.0582

■ 1.5742, 2.4699,
3.5838

165.5502,
190.4314, 222.3771

■ 0.3755, 0.8615,
1.3999

203.7453,

■ 0.0000, 0.0000,

232.9923, 270.8559

0.1417

247.4050,
281.4645, 325.9130

■ 0.0000, 0.0000,
0.0000

■ 30.6756, 37.6770,
46.2131

■ 30.6756, 37.6770,
46.2131

■ 28.4918, 36.5521,
46.1114

■ 33.3039, 39.0329,
46.3372

■ 26.7248, 35.6412,
46.0284

■ 36.3958, 40.6268,
46.4822

■ 25.3491, 34.9321,
45.9638

■ 39.9733, 42.4710,
46.6499

■ 24.3350, 34.4093,
45.9160

■ 44.0561, 44.5758,
46.8413

■ 23.6486, 34.0554,
45.8836

■ 48.6627, 46.9506,
47.0572

■ 23.2494, 33.8496,
45.8646

■ 53.8108, 49.6045,
47.2984

■ 23.0682, 33.7562,
45.8559

■ 59.5172, 52.5463,
47.5657

■ 64.3090, 55.0166,
47.7903

■ 64.3091, 55.0166,
47.7906

Harmonies

Analogous

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



30.5437, 37.6770, 37.6988



30.6756, 37.6770, 46.2131



32.1359, 37.6770, 54.2956

Triad

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



30.6756, 37.6770, 46.2131



40.1864, 37.6770, 52.9258



37.0180, 37.6770, 27.0960

Complementary

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



30.6756, 37.6770, 46.2131



27.6071, 23.6407, 20.5623

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.



39.7558, 37.6770, 30.1129



30.6756, 37.6770, 46.2131



41.6512, 37.6770, 44.5389

Square

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



30.6756, 37.6770, 46.2131



37.5797, 37.6770, 58.5224



41.4894, 37.6770, 36.2384



34.0984, 37.6770, 27.4154

Rectangle

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



30.6756, 37.6770, 46.2131



33.7139, 37.6770, 57.9972



41.4894, 37.6770, 36.2384



37.9930, 37.6770, 27.7344

Sweetspot

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



30.6767, 37.6785, 46.2140



66.2853, 73.3275, 83.2963



26.3974, 35.9817, 23.0075



14.5470, 16.2021, 18.5048



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.



30.6767, 37.6785, 46.2140



52.2483, 66.0912, 82.6379



25.9262, 28.1772, 44.6314



8.2364, 9.0721, 10.2696



16.5192, 24.1730, 32.8376



0.4596, 0.6725, 0.9135

Inverse Universe

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



27.6071, 23.6407, 20.5623



45.9311, 37.2013, 29.8468



31.2995, 31.0255, 21.7925



8.0053, 8.0154, 8.3386



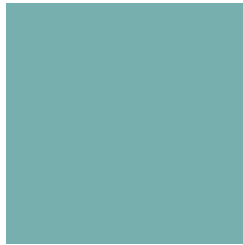
12.6607, 6.5268, 0.5927



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 30.6756, 37.6770, 46.2131 looks on a white background.

Color Contrast Check

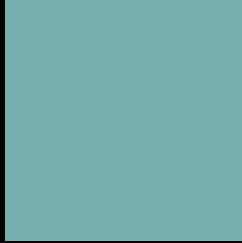
Large Text (above 18pt) WCAG AA × Fail

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 30.6756, 37.6770, 46.2131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

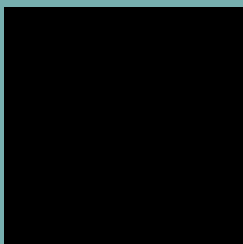
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

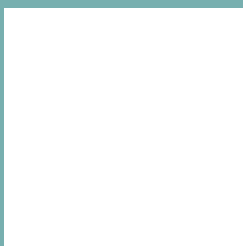
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6756, 37.6770, 46.2131

Background



This preview shows how black text looks on a background with the XYZ color 30.6756, 37.6770, 46.2131.

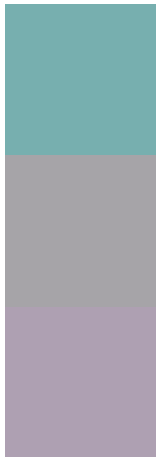


This preview shows how white text looks on a background with the XYZ color 30.6756, 37.6770,

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

30.6756, 37.6770, 46.2131

Protanopia

36.0692, 37.4851, 42.3801

Deuteranopia

38.0622, 37.3546, 47.3235



Tritanopia

31.9393, 37.6126, 52.5903

Trichromacy



Original Color

30.6756, 37.6770, 46.2131

Protanomaly

33.7477, 37.3351, 43.9558

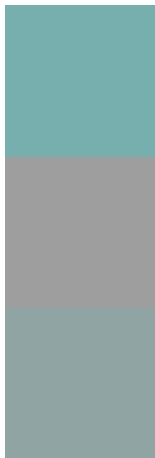
Deuteranomaly

34.7174, 36.9546, 46.8981

Tritanomaly

31.5685, 37.7559, 50.4235

Monochromacy



Original Color

30.6756, 37.6770, 46.2131

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.4779, 35.1605, 40.2496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6756, 37.6770, 46.2131 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(119, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(119, 175, 175)  
}
```

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(119, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 175, 175) }
```

Border

The CSS property to change the border of an element to XYZ 30.6756, 37.6770, 46.2131 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(119, 175, 175) }
```


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

```
.border{ border-color:rgb(119, 175, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 175, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(119, 175,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6756, 37.6770, 46.2131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 175, 175) }
```

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

```
.background{ background-color: rgb(119,  
175, 175) }
```

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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