

Converting Colors

XYZ(30.6778, 37.9490, 46.5130)

Have a look what the booklet for
XYZ(30.6778, 37.9490, 46.5130)
contains.

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Color

**XYZ(30.5993, 37.9277,
46.2655)**

Conversions

Conversions Part 1

Format	Color
Hex	75B0AF
RGB	117, 176, 175
RGB Percent	46%, 69%, 69%
CMY	0.5412, 0.3098, 0.3137
CMYK	0.34, 0.00, 0.01, 0.31
HSL	179°, 27%, 57%
HSV	179°, 34%, 69%
XYZ	30.5993, 37.9277, 46.2655
YIQ	158.2450, -34.8430, -12.8190

Conversions

Conversions Part 2

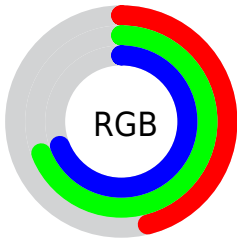
Format	Color
RYB	117, 147, 176
Decimal	7712943
CIELab	67.97, -19.24, -5.59
CIElCh	68, 20.038, 196.191
Yxy	37.9277, 0.2666, 0.3304
Android (android.graphics.Color)	4285903023 (0xFF75B0AF)
YUV	158.2450, 8.2602, -36.1719
Hunter-Lab	61.5855, -19.0852, -1.4312

Details

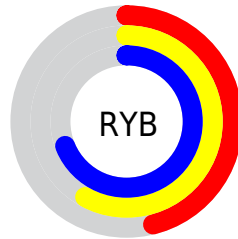
The XYZ color **30.5993, 37.9277, 46.2655** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.5371, 23.2618, 20.1795**, and the grayscale version is **32.5865, 34.2835, 37.3347**.

A 20% lighter version of the original color is **59.9341, 72.0843, 85.6177**, and **12.8381, 16.7198, 21.2895** is the 20% darker color. If you saturate the color by 10%, you get **28.4243, 36.8108, 46.0114**, and if you desaturate by 10%, it is **33.2212, 39.2769, 46.5424**.

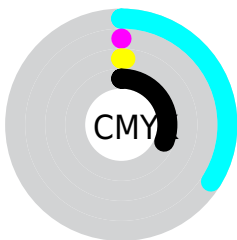
Distribution



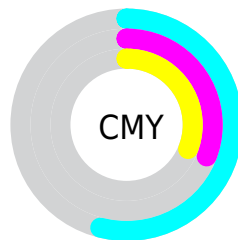
- Red (46%)
- Green (69%)
- Blue (69%)



- Red (46%)
- Yellow (58%)
- Blue (69%)



- Cyan (34%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)



- Cyan (54%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5993, 37.9277, 46.2655 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 30.5993, 37.9277, 46.2655 by changing the saturation by 10% instead.

■ 30.5993, 37.9277,
46.2655

■ 30.5993, 37.9277,
46.2655

296.5480,
337.3097, 388.1836

■ 20.4442, 25.9266,
32.1052

■ 59.9888, 71.9973,
85.9547

■ 12.8285, 16.7687,
21.1764

■ 79.9540, 94.8346,
112.3206

■ 7.3867, 10.0697,
13.0605

■ 103.9199,
122.0527, 143.5922

■ 3.7536, 5.4452,
7.3390

132.2519,
154.0361, 180.1880

■ 1.5637, 2.5108,
3.5934

165.3153,
191.1690, 222.5264

■ 0.3686, 0.8820,
1.4050

203.4756,

■ 0.0000, 0.0000,

233.8360, 271.0262

0.1456

247.0980,
282.4215, 326.1057

■ 0.0000, 0.0000,
0.0000

■ 30.5993, 37.9277,
46.2655

■ 30.5993, 37.9277,
46.2655

■ 28.4243, 36.8108,
46.0114

■ 33.2212, 39.2769,
46.5424

■ 26.6678, 35.9087,
45.7765

■ 36.3098, 40.8657,
46.8408

■ 25.3036, 35.2088,
45.5603


■ 39.8874, 42.7066,
47.1623


■ 24.3010, 34.6953,
45.3613


■ 43.9744, 44.8101,
47.5080


■ 23.6247, 34.3500,
45.1779


■ 48.5896, 47.1859,
47.8788


 23.2323, 34.1510,
45.0081

 53.7510, 49.8433,
48.2754

 23.0702, 34.0696,
44.9027

 59.4758, 52.7911,
48.6988

 64.7410, 55.5019,
49.1010

 64.7709, 55.5139,
49.2586

Harmonies

Analogous

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



30.5416, 37.9277, 37.3377



30.5993, 37.9277, 46.2655



32.0610, 37.9277, 54.9492

Triad

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



30.5993, 37.9277, 46.2655



40.5451, 37.9277, 54.3414



37.4972, 37.9277, 26.7823

Complementary

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



30.5993, 37.9277, 46.2655



27.5371, 23.2618, 20.1795

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.



40.3550, 37.9277, 30.1167



30.5993, 37.9277, 46.2655



42.1820, 37.9277, 45.5264

Square

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



30.5993, 37.9277, 46.2655



37.7447, 37.9277, 60.0508



42.1104, 37.9277, 36.6973



34.4051, 37.9277, 26.9208

Rectangle

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



30.5993, 37.9277, 46.2655



33.6857, 37.9277, 59.0563



42.1104, 37.9277, 36.6973



38.5207, 37.9277, 27.5108

Sweetspot

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



30.6004, 37.9292, 46.2664



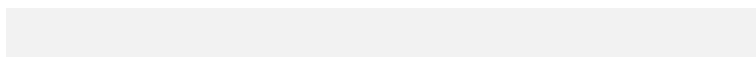
67.9227, 75.1797, 85.1407



26.3405, 36.2561, 22.4402



14.5336, 16.1968, 18.4344



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.



30.6004, 37.9292, 46.2664



52.5849, 67.2916, 83.5730



25.8370, 28.2442, 45.1659



8.7363, 9.6290, 10.8710



16.9287, 24.9974, 32.9569



0.5346, 0.7873, 1.0473

Inverse Universe

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



27.5371, 23.2618, 20.1795



46.1975, 36.7030, 29.1749



31.1709, 30.6242, 21.0986



8.5020, 8.5075, 8.8761



13.1511, 6.7780, 0.6898



0.4157, 0.2140, 0.0318

Previews

White Background



This preview shows how the XYZ color 30.5993, 37.9277, 46.2655 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 30.5993, 37.9277, 46.2655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

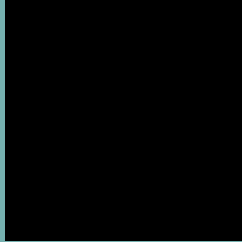
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.5993, 37.9277, 46.2655

Background



This preview shows how black text looks on a background with the XYZ color 30.5993, 37.9277, 46.2655.

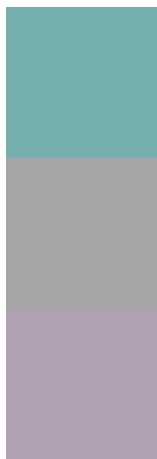


This preview shows how white text looks on a background with the XYZ color 30.5993, 37.9277,

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

30.5993, 37.9277, 46.2655

Protanopia

36.2797, 37.5936, 42.3899

Deuteranopia

38.2859, 37.4699, 47.3340



Tritanopia

31.9589, 37.8960, 53.2072

Trichromacy



Original Color

30.5993, 37.9277, 46.2655

Protanomaly

33.7477, 37.3351, 43.9558

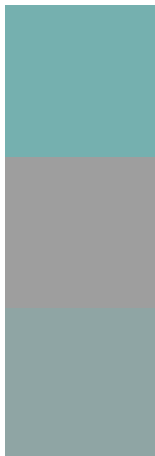
Deuteranomaly

34.8985, 37.3168, 46.9585

Tritanomaly

31.4850, 38.0008, 50.4752

Monochromacy



Original Color

30.5993, 37.9277, 46.2655

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.4837, 35.4302, 40.3013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5993, 37.9277, 46.2655 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, 176, 175)` looks like.

```
.text, #text, p{  
    color:rgb(117, 176, 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(117, 176, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 176, 175) }
```

Border

The CSS property to change the border of an element to XYZ 30.5993, 37.9277, 46.2655 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, 176, 175) }
```


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

```
.border{ border-color:rgb(117, 176, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 176, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 176, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 176, 175);  
box-shadow:4px 4px 4px 4px rgb(117, 176,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5993, 37.9277, 46.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 176, 175) }
```

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

```
.background{ background-color: rgb(117,  
176, 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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