

Converting Colors

XYZ(30.5321, 36.0431, 46.2355)

Have a look what the booklet for
XYZ(30.5321, 36.0431, 46.2355)
contains.

XYZ(30.6686, 36.2440, 46.4537)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.6686, 36.2440,
46.4537)**

Conversions

Conversions Part 1

Format	Color
Hex	7DAAB0
RGB	125, 170, 176
RGB Percent	49%, 67%, 69%
CMY	0.5098, 0.3333, 0.3098
CMYK	0.29, 0.03, 0.00, 0.31
HSL	187°, 24%, 59%
HSV	187°, 29%, 69%
XYZ	30.6686, 36.2440, 46.4537
YIQ	157.2290, -28.7460, -7.6740

Conversions

Conversions Part 2

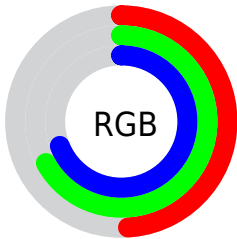
Format	Color
RYB	125, 149, 176
Decimal	8235696
CIELab	66.71, -13.55, -7.97
CIElCh	67, 15.717, 210.455
Yxy	36.2440, 0.2705, 0.3197
Android (android.graphics.Color)	4286425776 (0xFF7DAAB0)
YUV	157.2290, 9.2541, -28.2648
Hunter-Lab	60.2030, -14.4238, -3.6071

Details

The XYZ color **30.6686, 36.2440, 46.4537** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.7228, 26.9435, 23.0368**, and the grayscale version is **32.1206, 33.7934, 36.8010**.

A 20% lighter version of the original color is **60.0811, 69.2603, 86.5459**, and **12.9406, 15.8679, 21.4496** is the 20% darker color. If you saturate the color by 10%, you get **27.9388, 34.2661, 46.2164**, and if you desaturate by 10%, it is **33.8620, 38.4718, 46.7160**.

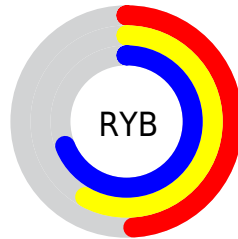
Distribution



Red (49%)

Green (67%)

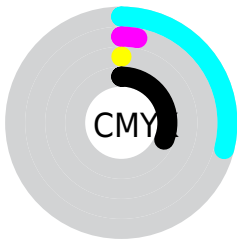
Blue (69%)



Red (49%)

Yellow (58%)

Blue (69%)

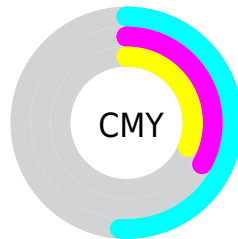


Cyan (29%)

Magenta (3%)

Yellow (0%)

Black (31%)



Cyan (51%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6686, 36.2440, 46.4537 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 30.6686, 36.2440, 46.4537 by changing the saturation by 10% instead.

■ 30.6686, 36.2440,
46.4537

■ 30.6686, 36.2440,
46.4537

■ 296.8629,
330.0258, 388.9601

■ 20.4972, 24.6227,
32.2527

■ 60.0973, 69.4085,
86.2390

■ 12.8673, 15.7962,
21.2882

■ 80.0854, 91.7205,
112.6605

■ 7.4136, 9.3800,
13.1415

■ 104.0764,
118.3649, 143.9925

■ 3.7707, 4.9899,
7.3942

■ 132.4357,
149.7260, 180.6536

■ 1.5733, 2.2413,
3.6277

■ 165.5286,
186.1882, 223.0624

■ 0.3749, 0.7424,
1.4234

■ 203.7206,

■ 0.0000, 0.0000,

228.1360, 271.6374

0.1599

247.3769,
275.9537, 326.7971

■ 0.0000, 0.0000,
0.0000

■ 30.6686, 36.2440,
46.4537

■ 30.6686, 36.2440,
46.4537

■ 27.9388, 34.2661,
46.2164

■ 33.8620, 38.4718,
46.7160

■ 25.6452, 32.5212,
46.0005

■ 37.5380, 40.9565,
47.0019

■ 23.7627, 30.9972,
45.8056

■ 41.7185, 43.7105,
47.3131

■ 22.2621, 29.6791,
45.6302

■ 46.4232, 46.7439,
47.6506

■ 21.1105, 28.5497,
45.4729

■ 51.6705, 50.0663,
48.0154

■ 20.2690, 27.5892,
45.3319

■ 57.4782, 53.6868,
48.4081

■ 19.6662, 26.7604,
45.2037

■ 63.8630, 57.6142,
48.8296

■ 19.6083, 26.6780,
45.1908

■ 66.7543, 59.7500,
49.0895

■ 67.1952, 60.6319,
49.2365

Harmonies

Analogous

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



30.0907, 36.2440, 39.5672



30.6686, 36.2440, 46.4537



32.2506, 36.2440, 51.9387

Triad

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



30.6686, 36.2440, 46.4537



38.5666, 36.2440, 46.2541



34.4127, 36.2440, 27.8005

Complementary

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



30.6686, 36.2440, 46.4537



29.7228, 26.9435, 23.0368

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.



36.7448, 36.2440, 29.1653



30.6686, 36.2440, 46.4537



39.2087, 36.2440, 39.3601

Square

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



30.6686, 36.2440, 46.4537



36.8102, 36.2440, 51.8145



38.5276, 36.2440, 33.2124



32.1907, 36.2440, 29.2500

Rectangle

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



30.6686, 36.2440, 46.4537



33.6988, 36.2440, 53.7809



38.5276, 36.2440, 33.2124



35.2099, 36.2440, 27.9435

Sweetspot

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



30.6697, 36.2455, 46.4545



67.9519, 74.1947, 85.2349



28.0768, 37.0487, 27.1269



14.5089, 15.9339, 18.4552



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.



30.6697, 36.2455, 46.4545



52.2463, 63.3055, 83.9608



26.3514, 27.6088, 45.0151



8.6557, 9.4575, 10.8756



14.4146, 19.6295, 33.1661



0.4775, 0.6655, 1.0515

Inverse Universe

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



32.4946, 26.8004, 41.4922



56.1734, 43.4608, 73.1752



33.5709, 34.6397, 24.3195



8.8061, 8.6292, 10.4776



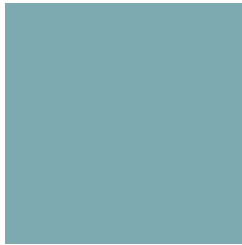
17.5105, 8.5217, 23.6459



0.5630, 0.2730, 0.8077

Previews

White Background



This preview shows how the XYZ color 30.6686, 36.2440, 46.4537 looks on a white background.

Color Contrast Check

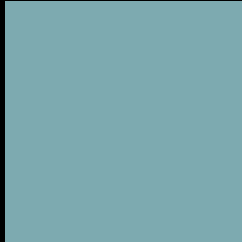
Large Text (above 18pt) WCAG AA × Fail

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 30.6686, 36.2440, 46.4537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

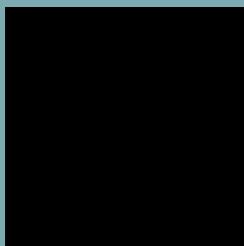
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

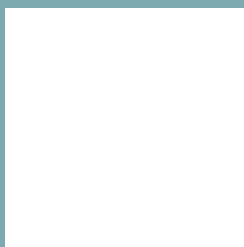
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6686, 36.2440, 46.4537

Background



This preview shows how black text looks on a background with the XYZ color 30.6686, 36.2440, 46.4537.

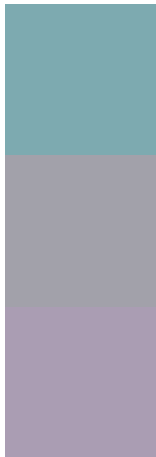


This preview shows how white text looks on a background with the XYZ color 30.6686, 36.2440,

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

30.6686, 36.2440, 46.4537

Protanopia

34.9009, 36.0734, 43.1536

Deuteranopia

36.7712, 35.9147, 47.6420



Tritanopia

31.3394, 36.2305, 50.1412

Trichromacy



Original Color

30.6686, 36.2440, 46.4537

Protanomaly

33.1163, 35.9190, 44.2174

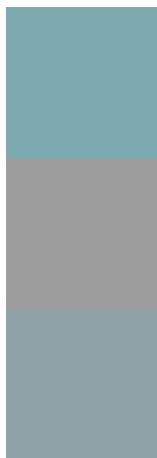
Deuteranomaly

34.2826, 35.9250, 47.2468

Tritanomaly

31.0304, 36.1068, 48.5139

Monochromacy



Original Color

30.6686, 36.2440, 46.4537

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.2982, 34.5407, 40.1394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6686, 36.2440, 46.4537 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(125, 170, 176)` looks like.

```
.text, #text, p{  
    color:rgb(125, 170, 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(125, 170, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 170, 176) }
```

Border

The CSS property to change the border of an element to XYZ 30.6686, 36.2440, 46.4537 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(125, 170, 176) }
```


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

```
.border{ border-color:rgb(125, 170, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 170, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 170, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 170, 176);  
box-shadow:4px 4px 4px 4px rgb(125, 170,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6686, 36.2440, 46.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 170, 176) }
```

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

```
.background{ background-color: rgb(125,  
170, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor