

Converting Colors

XYZ(30.3771, 34.6418, 46.8750)

Have a look what the booklet for
XYZ(30.3771, 34.6418, 46.8750)
contains.

XYZ(30.4442, 34.7517, 46.6981)	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(30.4442, 34.7517,
46.6981)**

Conversions

Conversions Part 1

Format	Color
Hex	81A5B1
RGB	129, 165, 177
RGB Percent	51%, 65%, 69%
CMY	0.4941, 0.3529, 0.3059
CMYK	0.27, 0.07, 0.00, 0.31
HSL	195°, 24%, 60%
HSV	195°, 27%, 69%
XYZ	30.4442, 34.7517, 46.6981
YIQ	155.6040, -25.3080, -3.9000

Conversions

Conversions Part 2

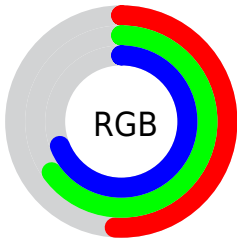
Format	Color
RYB	129, 150, 177
Decimal	8496561
CIELab	65.55, -9.43, -10.21
CIELCh	66, 13.898, 227.300
Yxy	34.7517, 0.2721, 0.3106
Android (android.graphics.Color)	4286686641 (0xFF81A5B1)
YUV	155.6040, 10.5482, -23.3317
Hunter-Lab	58.9506, -10.9797, -5.7016

Details

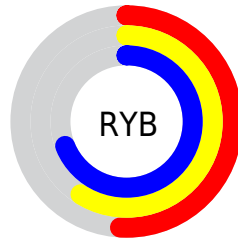
The XYZ color **30.4442, 34.7517, 46.6981** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.6192, 29.9821, 24.8903**, and the grayscale version is **31.3870, 33.0216, 35.9605**.

A 20% lighter version of the original color is **59.8296, 67.1369, 86.8961**, and **12.6851, 14.8852, 21.2733** is the 20% darker color. If you saturate the color by 10%, you get **27.2010, 31.9163, 46.3223**, and if you desaturate by 10%, it is **34.1829, 37.8852, 47.1065**.

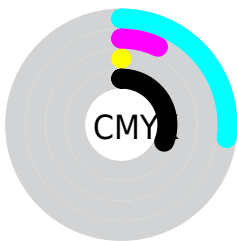
Distribution



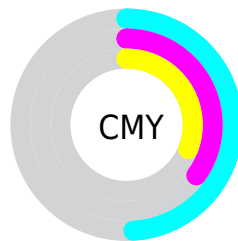
- Red (51%)
- Green (65%)
- Blue (69%)



- Red (51%)
- Yellow (59%)
- Blue (69%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)



- Cyan (49%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4442, 34.7517, 46.6981 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 30.4442, 34.7517, 46.6981 by changing the saturation by 10% instead.

■ 30.4442, 34.7517,
46.6981

■ 30.4442, 34.7517,
46.6981

295.8423,
323.4710, 389.9670

■ 20.3257, 23.4717,
32.4444

■ 59.7458, 67.1009,
86.6081

■ 12.7417, 14.9422,
21.4336

■ 79.6596, 88.9389,
113.1014

■ 7.3267, 8.7788,
13.2470

■ 103.5692,
115.0650, 144.5118

■ 3.7154, 4.5972,
7.4661

131.8401,
145.8636, 181.2576

■ 1.5424, 2.0129,
3.6724

164.8374,
181.7191, 223.7575

■ 0.3544, 0.6150,
1.4474

202.9267,

■ 0.0000, 0.0000,

223.0159, 272.4300

0.1783

246.4732,
270.1384, 327.6937

■ 0.0000, 0.0000,
0.0000

■ 30.4442, 34.7517,
46.6981

■ 30.4442, 34.7517,
46.6981

■ 27.2010, 31.9163,
46.3223

■ 34.1829, 37.8852,
47.1065

■ 24.4257, 29.3619,
45.9756

■ 38.4364, 41.3247,
47.5462

■ 22.0931, 27.0758,
45.6572

■ 43.2270, 45.0828,
48.0191

■ 20.1739, 25.0426,
45.3659

■ 48.5745, 49.1702,
48.5262

■ 18.6353, 23.2449,
45.1001

■ 54.4977, 53.5969,
49.0684

■ 17.4389, 21.6626,
44.8577

■ 61.0147, 58.3727,
49.6468

■ 16.5294, 20.2665,
44.6362

■ 68.1426, 63.5068,
50.2620

■ 16.2903, 19.8831,
44.5747

■ 69.9225, 65.9275,
50.6355

■ 70.9648, 68.0121,
50.9829

Harmonies

Analogous

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



29.4294, 34.7517, 41.2744



30.4442, 34.7517, 46.6981



32.1766, 34.7517, 49.8737

Triad

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



30.4442, 34.7517, 46.6981



37.0017, 34.7517, 40.3593



31.8790, 34.7517, 28.1053

Complementary

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



30.4442, 34.7517, 46.6981



31.6192, 29.9821, 24.8903

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.



33.8992, 34.7517, 27.9145



30.4442, 34.7517, 46.6981



36.9139, 34.7517, 34.5991

Square

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



30.4442, 34.7517, 46.6981



35.9942, 34.7517, 45.9691



35.7592, 34.7517, 30.1773



30.2341, 34.7517, 30.7283

Rectangle

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



30.4442, 34.7517, 46.6981



33.5308, 34.7517, 50.0947



35.7592, 34.7517, 30.1773



32.5351, 34.7517, 27.7649

Sweetspot

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



30.4452, 34.7531, 46.6989



68.0180, 73.3568, 85.0697



29.5245, 38.0114, 30.6700



14.4864, 15.6942, 18.4101



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.



30.4452, 34.7531, 46.6989



50.6819, 58.9068, 83.1942



26.6331, 27.1288, 45.4282



8.5592, 9.2646, 10.8435



11.8527, 14.5058, 32.3122



0.4159, 0.5424, 1.0310

Inverse Universe

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



32.7741, 27.7651, 39.2307



55.6936, 44.4557, 66.9906



35.4058, 37.5553, 26.1525



8.7575, 8.6097, 10.2212



16.2173, 8.0045, 16.8364



0.5320, 0.2605, 0.6440

Previews

White Background



This preview shows how the XYZ color 30.4442, 34.7517, 46.6981 looks on a white background.

Color Contrast Check

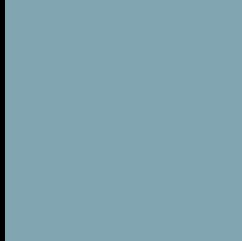
Large Text (above 18pt) WCAG AA × Fail

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 30.4442, 34.7517, 46.6981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

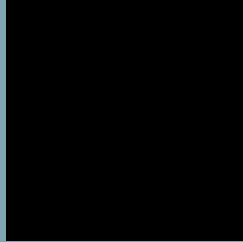
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4442, 34.7517, 46.6981

Background



This preview shows how black text looks on a background with the XYZ color 30.4442, 34.7517, 46.6981.



This preview shows how white text looks on a background with the XYZ color 30.4442, 34.7517,

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

30.4442, 34.7517, 46.6981

Protanopia

33.7738, 34.7014, 43.9477

Deuteranopia

35.3751, 34.6967, 47.4805



Tritanopia

30.5443, 34.7917, 47.2251

Trichromacy



Original Color

30.4442, 34.7517, 46.6981

Protanomaly

32.4175, 34.7488, 45.0430

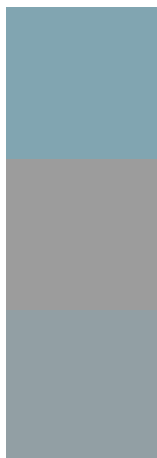
Deuteranomaly

33.3829, 34.6860, 47.0551

Tritanomaly

30.5443, 34.7917, 47.2251

Monochromacy



Original Color

30.4442, 34.7517, 46.6981

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9530, 33.5876, 39.9736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4442, 34.7517, 46.6981 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(129, 165, 177)` looks like.

```
.text, #text, p{  
    color:rgb(129, 165, 177)  
}
```

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(129, 165, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 165, 177) }
```

Border

The CSS property to change the border of an element to XYZ 30.4442, 34.7517, 46.6981 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(129, 165, 177) }
```


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

```
.border{ border-color:rgb(129, 165, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 165, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 165, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 165, 177);  
box-shadow:4px 4px 4px 4px rgb(129, 165,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4442, 34.7517, 46.6981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 165, 177) }
```

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

```
.background{ background-color: rgb(129,  
165, 177) }
```

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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