

Converting Colors

XYZ(29.1752, 34.9218, 46.2772)

Have a look what the booklet for
XYZ(29.1752, 34.9218, 46.2772)
contains.

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Color

**XYZ(29.1752, 34.9218,
46.2772)**

Conversions

Conversions Part 1

Format	Color
Hex	75A8B0
RGB	117, 168, 176
RGB Percent	46%, 66%, 69%
CMY	0.5412, 0.3412, 0.3098
CMYK	0.34, 0.05, 0.00, 0.31
HSL	188°, 27%, 57%
HSV	188°, 34%, 69%
XYZ	29.1752, 34.9218, 46.2772
YIQ	153.6630, -32.9640, -8.3240

Conversions

Conversions Part 2

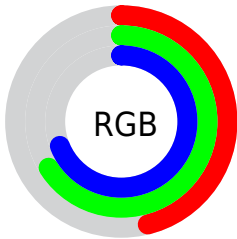
Format	Color
RYB	117, 144, 176
Decimal	7710896
CIELab	65.69, -14.82, -9.53
CIELCh	66, 17.619, 212.747
Yxy	34.9218, 0.2643, 0.3164
Android (android.graphics.Color)	4285900976 (0xFF75A8B0)
YUV	153.6630, 11.0121, -32.1535
Hunter-Lab	59.0947, -15.2897, -5.0639

Details

The XYZ color **29.1752, 34.9218, 46.2772** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.4494, 25.1819, 20.1914**, and the grayscale version is **30.5320, 32.1221, 34.9809**.

A 20% lighter version of the original color is **57.7478, 67.2595, 86.2827**, and **12.0635, 15.0698, 21.3417** is the 20% darker color. If you saturate the color by 10%, you get **26.5930, 32.9435, 46.0321**, and if you desaturate by 10%, it is **32.2122, 37.1482, 46.5475**.

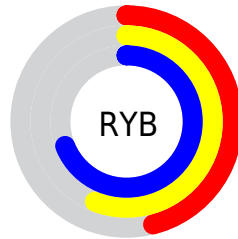
Distribution



Red (46%)

Green (66%)

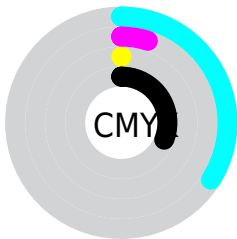
Blue (69%)



Red (46%)

Yellow (56%)

Blue (69%)

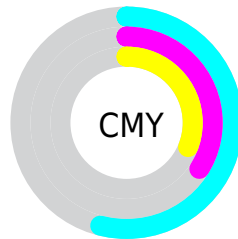


Cyan (34%)

Magenta (5%)

Yellow (0%)

Black (31%)



Cyan (54%)

Magenta (34%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1752, 34.9218, 46.2772 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 29.1752, 34.9218, 46.2772 by changing the saturation by 10% instead.

■ 29.1752, 34.9218,
46.2772

■ 29.1752, 34.9218,
46.2772

290.0200,
324.2230, 388.2319

■ 19.3583, 23.6026,
32.1144

■ 57.7510, 67.3646,
85.9723

■ 12.0350, 15.0391,
21.1833

■ 77.2406, 89.2570,
112.3418

■ 6.8399, 8.8468,
13.0655

■ 100.6852,
115.4427, 143.6171

■ 3.4076, 4.6414,
7.3424

128.4501,
146.3060, 180.2169

■ 1.3728, 2.0384,
3.5955

160.9007,
182.2312, 222.5598

■ 0.2367, 0.6297,
1.4062

198.4023,

■ 0.0000, 0.0000,

223.6029, 271.0642

0.1465

241.3203,
270.8054, 326.1487

■ 0.0000, 0.0000,
0.0000

■ 29.1752, 34.9218,
46.2772

■ 29.1752, 34.9218,
46.2772

■ 26.5930, 32.9435,
46.0321

■ 32.2122, 37.1482,
46.5475

■ 24.4374, 31.1963,
45.8084

■ 35.7239, 39.6305,
46.8415

■ 22.6820, 29.6673,
45.6058

■ 39.7328, 42.3813,
47.1612

■ 21.2961, 28.3405,
45.4227

■ 44.2591, 45.4110,
47.5074

■ 20.2442, 27.1977,
45.2576

■ 49.3218, 48.7295,
47.8811

■ 19.4842, 26.2170,
45.1084

■ 54.9390, 52.3461,
48.2831

■ 19.0880, 25.6374,
45.0174

■ 61.1279, 56.2698,
48.7143

■ 66.8661, 59.9736,
49.1267

■ 67.3768, 60.9950,
49.2970

Harmonies

Analogous

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



28.4597, 34.9218, 38.7119



29.1752, 34.9218, 46.2772



30.9623, 34.9218, 52.1731

Triad

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



29.1752, 34.9218, 46.2772



37.8217, 34.9218, 44.9400



32.9539, 34.9218, 25.4770

Complementary

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



29.1752, 34.9218, 46.2772



28.4494, 25.1819, 20.1914

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.



35.5265, 34.9218, 26.6963



29.1752, 34.9218, 46.2772



38.4220, 34.9218, 37.3441

Square

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



29.1752, 34.9218, 46.2772



35.9610, 34.9218, 51.3332



37.5618, 34.9218, 30.8153



30.5691, 34.9218, 27.2402

Rectangle

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



29.1752, 34.9218, 46.2772



32.5670, 34.9218, 54.0093



37.5618, 34.9218, 30.8153



33.8252, 34.9218, 25.5519

Sweetspot

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



29.1762, 34.9232, 46.2780



67.1216, 73.4903, 85.1427



26.5553, 36.3105, 24.9671



14.3369, 15.7818, 18.4349



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.



29.1762, 34.9232, 46.2780



49.4717, 60.7172, 83.6075



24.3529, 25.2764, 44.6702



8.6425, 9.4312, 10.8712



14.0363, 18.8729, 33.0400



0.4686, 0.6478, 1.0486

Inverse Universe

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



31.3345, 24.7806, 40.1790



54.0500, 39.8440, 70.5255



32.7322, 33.7476, 21.6191



8.7995, 8.6265, 10.4425



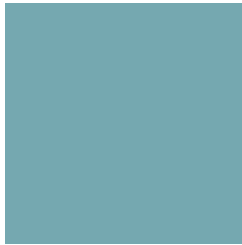
17.3195, 8.4454, 22.6403



0.5586, 0.2712, 0.7841

Previews

White Background



This preview shows how the XYZ color 29.1752, 34.9218, 46.2772 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 29.1752, 34.9218, 46.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

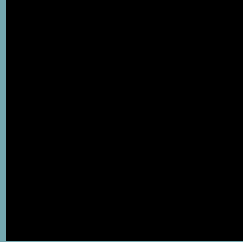
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1752, 34.9218, 46.2772

Background



This preview shows how black text looks on a background with the XYZ color 29.1752, 34.9218, 46.2772.

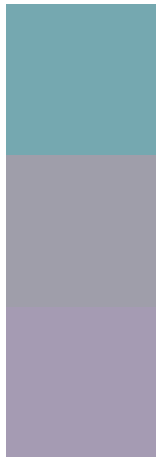


This preview shows how white text looks on a background with the XYZ color 29.1752, 34.9218,

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

29.1752, 34.9218, 46.2772

Protanopia

33.7806, 34.7269, 42.9527

Deuteranopia

35.3751, 34.6967, 47.4805



Tritanopia

29.6304, 34.8252, 48.8763

Trichromacy



Original Color

29.1752, 34.9218, 46.2772

Protanomaly

31.8683, 34.7485, 44.0572

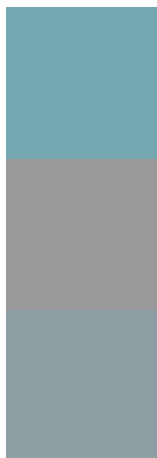
Deuteranomaly

32.8194, 34.6519, 47.0782

Tritanomaly

29.4266, 34.7437, 47.8031

Monochromacy



Original Color

29.1752, 34.9218, 46.2772

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.9042, 33.0676, 38.9890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1752, 34.9218, 46.2772 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, 168, 176)` looks like.

```
.text, #text, p{  
    color:rgb(117, 168, 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(117, 168, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 168, 176) }
```

Border

The CSS property to change the border of an element to XYZ 29.1752, 34.9218, 46.2772 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, 168, 176) }
```


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

```
.border{ border-color:rgb(117, 168, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 168, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 168, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 168, 176);  
box-shadow:4px 4px 4px 4px rgb(117, 168,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1752, 34.9218, 46.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 168, 176) }
```

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

```
.background{ background-color: rgb(117,  
168, 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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