

Converting Colors

XYZ(29.0149, 36.6969, 45.8927)

Have a look what the booklet for
XYZ(29.0149, 36.6969, 45.8927)
contains.

XYZ(29.1312, 36.8809, 46.1408)	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(29.1312, 36.8809,
46.1408)**

Conversions

Conversions Part 1

Format	Color
Hex	6BAFAF
RGB	107, 175, 175
RGB Percent	42%, 69%, 69%
CMY	0.5804, 0.3137, 0.3137
CMYK	0.39, 0.00, 0.00, 0.31
HSL	180°, 30%, 55%
HSV	180°, 39%, 69%
XYZ	29.1312, 36.8809, 46.1408
YIQ	154.6680, -40.5280, -14.4160

Conversions

Conversions Part 2

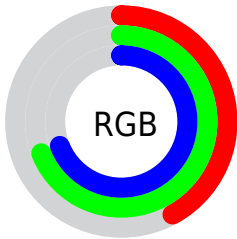
Format	Color
RYB	107, 141, 175
Decimal	7057327
CIELab	67.19, -21.45, -6.80
CIELCh	67, 22.504, 197.579
Yxy	36.8809, 0.2597, 0.3288
Android (android.graphics.Color)	4285247407 (0xFF6BAFAF)
YUV	154.6680, 10.0237, -41.8048
Hunter-Lab	60.7296, -20.6528, -2.5362

Details

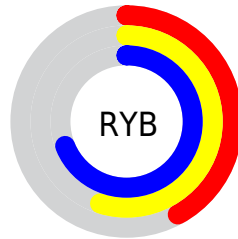
The XYZ color **29.1312, 36.8809, 46.1408** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.5920, 20.6919, 16.5562**, and the grayscale version is **30.9799, 32.5932, 35.4940**.

A 20% lighter version of the original color is **57.7591, 70.5464, 85.4355**, and **12.0029, 16.1060, 21.2150** is the 20% darker color. If you saturate the color by 10%, you get **27.2367, 35.9052, 46.0527**, and if you desaturate by 10%, it is **31.4537, 38.0791, 46.2506**.

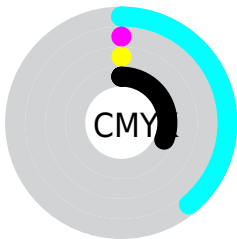
Distribution



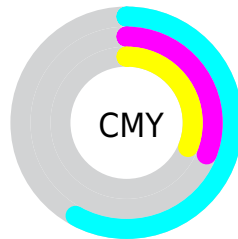
- Red (42%)
- Green (69%)
- Blue (69%)



- Red (42%)
- Yellow (55%)
- Blue (69%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (58%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1312, 36.8809, 46.1408 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 29.1312, 36.8809, 46.1408 by changing the saturation by 10% instead.

■ 29.1312, 36.8809,
46.1408

■ 29.1312, 36.8809,
46.1408

289.8165,
332.7946, 387.6684

■ 19.3249, 25.1153,
32.0075

■ 57.6816, 70.3896,
85.7662

■ 12.0107, 16.1630,
21.1023

■ 77.1564, 92.9014,
112.0953

■ 6.8232, 9.6395,
13.0069

■ 100.5847,
119.7641, 143.3268

■ 3.3971, 5.1606,
7.3025

■ 128.3319,
151.3621, 179.8792

■ 1.3671, 2.3418,
3.5707

160.7633,
188.0798, 222.1710

■ 0.2326, 0.7957,
1.3929

198.2443,

■ 0.0000, 0.0000,

230.3015, 270.6208

0.1362

241.1403,
278.4116, 325.6471

■ 0.0000, 0.0000,
0.0000

■ 29.1312, 36.8809,
46.1408

■ 29.1312, 36.8809,
46.1408

■ 27.2367, 35.9052,
46.0527

■ 31.4537, 38.0791,
46.2506

■ 25.7411, 35.1341,
45.9824

■ 34.2246, 39.5075,
46.3805

■ 24.6168, 34.5546,
45.9295

■ 37.4669, 41.1790,
46.5325

■ 23.8314, 34.1497,
45.8925

■ 41.2011, 43.1040,
46.7075

■ 23.3468, 33.8998,
45.8696

■ 45.4466, 45.2927,
46.9065

■ 23.0933, 33.7692,
45.8575

■ 50.2215, 47.7542,
47.1302

■ 23.0683, 33.7563,
45.8563

■ 55.5433, 50.4977,
47.3795

■ 61.4285, 53.5316,
47.6552

■ 64.3090, 55.0166,
47.7903

Harmonies

Analogous

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



28.9955, 36.8809, 36.2270



29.1312, 36.8809, 46.1408



30.7878, 36.8809, 55.7896

Triad

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



29.1312, 36.8809, 46.1408



40.1557, 36.8809, 54.3052



36.4931, 36.8809, 24.3813

Complementary

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



29.1312, 36.8809, 46.1408



25.5920, 20.6919, 16.5562

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.



39.6976, 36.8809, 27.7570



29.1312, 36.8809, 46.1408



41.9030, 36.8809, 44.3615

Square

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



29.1312, 36.8809, 46.1408



37.0856, 36.8809, 61.0063



41.7301, 36.8809, 34.7143



33.0983, 36.8809, 24.6983

Rectangle

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



29.1312, 36.8809, 46.1408



32.5966, 36.8809, 60.2874



41.7301, 36.8809, 34.7143



37.6323, 36.8809, 25.0954

Sweetspot

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



29.1323, 36.8824, 46.1417



65.0572, 72.6944, 83.2388



24.1854, 34.9195, 19.3760



14.2936, 16.0715, 18.4929



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.



29.1323, 36.8824, 46.1417



49.0983, 64.4673, 82.4903



23.4952, 25.6078, 44.2636



8.2364, 9.0721, 10.2696



16.5193, 24.1730, 32.8378



0.4596, 0.6725, 0.9135

Inverse Universe

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



25.5920, 20.6919, 16.5562



41.8210, 31.1870, 21.6761



29.6929, 28.8940, 17.9227



8.0053, 8.0154, 8.3386



12.6607, 6.5268, 0.5926



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 29.1312, 36.8809, 46.1408 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 29.1312, 36.8809, 46.1408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

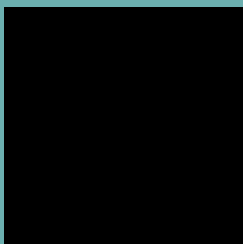
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

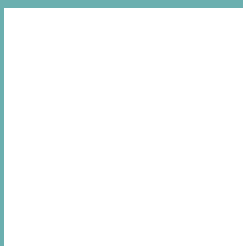
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1312, 36.8809, 46.1408

Background



This preview shows how black text looks on a background with the XYZ color 29.1312, 36.8809, 46.1408.

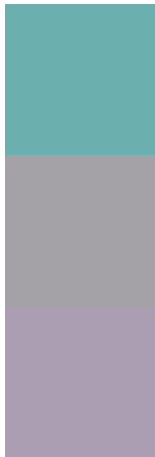


This preview shows how white text looks on a background with the XYZ color 29.1312, 36.8809,

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

29.1312, 36.8809, 46.1408

Protanopia

35.2052, 36.5232, 41.7534

Deuteranopia

37.1581, 36.3663, 47.7088



Tritanopia

30.3436, 36.7900, 52.5156

Trichromacy



Original Color

29.1312, 36.8809, 46.1408

Protanomaly

32.4021, 36.3794, 43.3444

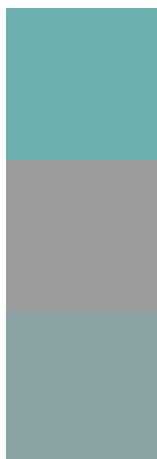
Deuteranomaly

33.5241, 36.0612, 47.3131

Tritanomaly

29.9900, 36.9422, 50.3497

Monochromacy



Original Color

29.1312, 36.8809, 46.1408

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.9232, 33.8526, 39.1395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1312, 36.8809, 46.1408 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(107, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 175, 175) }
```

Border

The CSS property to change the border of an element to XYZ 29.1312, 36.8809, 46.1408 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(107, 175, 175) }
```


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

```
.border{ border-color:rgb(107, 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(107, 175, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(107, 175,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1312, 36.8809, 46.1408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 175, 175) }
```

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

```
.background{ background-color: rgb(107,  
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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