

Converting Colors

XYZ(29.9189, 36.4040, 44.4168)

Have a look what the booklet for
XYZ(29.9189, 36.4040, 44.4168)
contains.

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Color

**XYZ(29.9446, 36.4767,
44.4922)**

Conversions

Conversions Part 1

Format	Color
Hex	78ACAC
RGB	120, 172, 172
RGB Percent	47%, 67%, 67%
CMY	0.5294, 0.3255, 0.3255
CMYK	0.30, 0.00, 0.00, 0.33
HSL	180°, 24%, 57%
HSV	180°, 30%, 67%
XYZ	29.9446, 36.4767, 44.4922
YIQ	156.4520, -30.9920, -11.0240

Conversions

Conversions Part 2

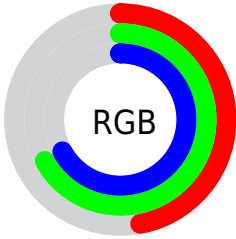
Format	Color
R _{YB}	120, 146, 172
Decimal	7908524
CIE _{Lab}	66.88, -17.03, -5.51
CIE _{LCh}	67, 17.899, 197.935
Yxy	36.4767, 0.2700, 0.3289
Android (android.graphics.Color)	4286098604 (0xFF78ACAC)
YUV	156.4520, 7.6652, -31.9684
Hunter-Lab	60.3959, -17.1917, -1.4003

Details

The XYZ color **29.9446, 36.4767, 44.4922** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.1211, 23.5606, 20.8888**, and the grayscale version is **31.7794, 33.4344, 36.4101**.

A 20% lighter version of the original color is **58.7898, 69.4829, 82.9860**, and **12.4905, 16.0180, 20.2028** is the 20% darker color. If you saturate the color by 10%, you get **27.7704, 35.3568, 44.3909**, and if you desaturate by 10%, it is **32.5495, 37.8205, 44.6153**.

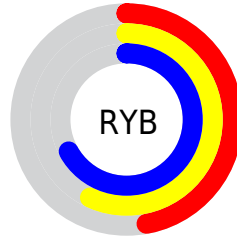
Distribution



Red (47%)

Green (67%)

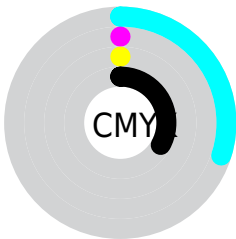
Blue (67%)



Red (47%)

Yellow (57%)

Blue (67%)

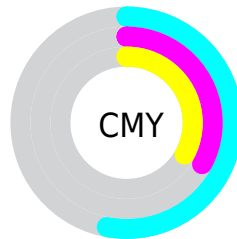


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (53%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9446, 36.4767, 44.4922 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 29.9446, 36.4767, 44.4922 by changing the saturation by 10% instead.

■ 29.9446, 36.4767,
44.4922

■ 29.9446, 36.4767,
44.4922

293.5606,
331.0393, 380.8130

■ 19.9444, 24.8026,
30.7176

■ 58.9618, 69.7672,
83.2682

■ 12.4627, 15.9300,
20.1273

■ 78.7095, 92.1524,
109.1068

■ 7.1340, 9.4747,
12.3026

■ 102.4371,
118.8767, 139.8037

■ 3.5931, 5.0521,
6.8251

130.5099,
150.3246, 175.7775

■ 1.4746, 2.2778,
3.2762

163.2933,
186.8804, 217.4468

■ 0.3085, 0.7619,
1.2373

201.1526,

■ 0.0000, 0.0000,

228.9285, 265.2302

0.0096

244.4533,
276.8534, 319.5460

■ 0.0000, 0.0000,
0.0000

■ 29.9446, 36.4767,
44.4922

■ 29.9446, 36.4767,
44.4922

■ 27.7704, 35.3568,
44.3909

■ 32.5495, 37.8205,
44.6153

■ 26.0007, 34.4445,
44.3077

■ 35.6030, 39.3946,
44.7585

■ 24.6114, 33.7283,
44.2423

■ 39.1261, 41.2108,
44.9238

■ 23.5748, 33.1939,
44.1934

■ 43.1374, 43.2787,
45.1119

■ 22.8590, 32.8249,
44.1596

■ 47.6546, 45.6074,
45.3236

■ 22.4269, 32.6021,
44.1390

■ 52.6944, 48.2055,
45.5599

■ 22.1992, 32.4848,
44.1280

■ 58.2727, 51.0813,
45.8213

■ 63.4403, 53.7452,
46.0635

■ 63.4403, 53.7452,
46.0639

Harmonies

Analogous

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



29.8195, 36.4767, 36.6783



29.9446, 36.4767, 44.4922



31.2945, 36.4767, 51.8588

Triad

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



29.9446, 36.4767, 44.4922



38.6844, 36.4767, 50.5786



35.7707, 36.4767, 26.8368

Complementary

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



29.9446, 36.4767, 44.4922



27.1211, 23.5606, 20.8888

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.



38.2799, 36.4767, 29.6356



29.9446, 36.4767, 44.4922



40.0199, 36.4767, 42.9190

Square

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



29.9446, 36.4767, 44.4922



36.2996, 36.4767, 55.6756



39.8681, 36.4767, 35.2962



33.0899, 36.4767, 27.1425

Rectangle

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



29.9446, 36.4767, 44.4922



32.7490, 36.4767, 55.2160



39.8681, 36.4767, 35.2962



36.6648, 36.4767, 27.4290

Sweetspot

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



29.9457, 36.4782, 44.4930



65.2298, 71.7963, 81.2252



26.0102, 34.9179, 23.1388



13.9919, 15.5081, 17.6434



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.9457, 36.4782, 44.4930



51.7063, 64.8247, 80.5905



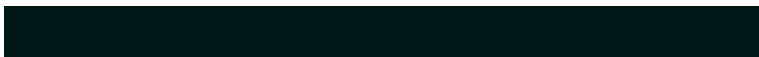
25.6061, 27.7987, 43.0476



8.2363, 9.0721, 10.2696



16.5191, 24.1729, 32.8370



0.4595, 0.6725, 0.9135

Inverse Universe

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



27.1211, 23.5606, 20.8888



45.7848, 37.7437, 31.1054



30.5505, 30.4195, 22.0312



8.0053, 8.0154, 8.3386



12.6607, 6.5268, 0.5927



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 29.9446, 36.4767, 44.4922 looks on a white background.

Color Contrast Check

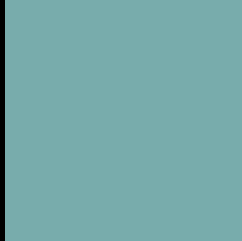
Large Text (above 18pt) WCAG AA × Fail

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 29.9446, 36.4767, 44.4922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

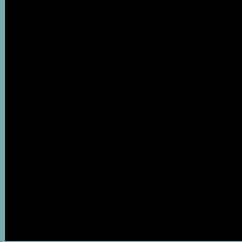
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9446, 36.4767, 44.4922

Background



This preview shows how black text looks on a background with the XYZ color 29.9446, 36.4767, 44.4922.

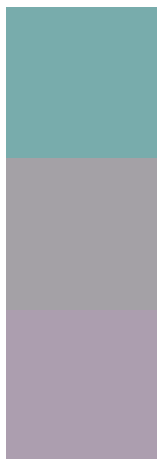


This preview shows how white text looks on a background with the XYZ color 29.9446, 36.4767,

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

29.9446, 36.4767, 44.4922

Protanopia

34.9376, 36.1354, 41.2098

Deuteranopia

36.9780, 36.3195, 45.6189



Tritanopia

31.1948, 36.4211, 50.7332

Trichromacy



Original Color

29.9446, 36.4767, 44.4922

Protanomaly

32.7358, 36.0333, 42.2756

Deuteranomaly

33.8740, 36.0227, 45.2121

Tritanomaly

30.8272, 36.5587, 48.6118

Monochromacy



Original Color

29.9446, 36.4767, 44.4922

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.7696, 34.2889, 39.1791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9446, 36.4767, 44.4922 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(120, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(120, 172, 172)  
}
```

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(120, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 172, 172) }
```

Border

The CSS property to change the border of an element to XYZ 29.9446, 36.4767, 44.4922 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(120, 172, 172) }
```


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

```
.border{ border-color:rgb(120, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(120, 172,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9446, 36.4767, 44.4922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 172, 172) }
```

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

```
.background{ background-color: rgb(120,  
172, 172) }
```

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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