

Converting Colors

XYZ(29.7755, 36.7722, 45.2678)

Have a look what the booklet for
XYZ(29.7755, 36.7722, 45.2678)
contains.

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Color

**XYZ(29.6889, 36.6173,
45.0382)**

Conversions

Conversions Part 1

Format	Color
Hex	74ADAD
RGB	116, 173, 173
RGB Percent	45%, 68%, 68%
CMY	0.5451, 0.3216, 0.3216
CMYK	0.33, 0.00, 0.00, 0.32
HSL	180°, 26%, 57%
HSV	180°, 33%, 68%
XYZ	29.6889, 36.6173, 45.0382
YIQ	155.9570, -33.9720, -12.0840

Conversions

Conversions Part 2

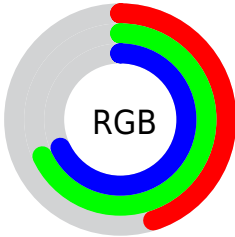
Format	Color
RYB	116, 145, 173
Decimal	7646637
CIELab	66.99, -18.46, -5.93
CIElCh	67, 19.389, 197.818
Yxy	36.6173, 0.2666, 0.3289
Android (android.graphics.Color)	4285836717 (0xFF74ADAD)
YUV	155.9570, 8.4022, -35.0423
Hunter-Lab	60.5122, -18.3196, -1.7700

Details

The XYZ color **29.6889, 36.6173, 45.0382** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.6327, 22.6371, 19.4902**, and the grayscale version is **31.5562, 33.1996, 36.1544**.

A 20% lighter version of the original color is **58.6005, 70.1861, 83.8575**, and **12.2820, 15.9034, 20.5115** is the 20% darker color. If you saturate the color by 10%, you get **27.6002, 35.5415, 44.9409**, and if you desaturate by 10%, it is **32.2080, 37.9168, 45.1572**.

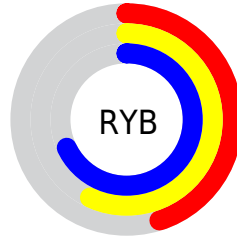
Distribution



Red (45%)

Green (68%)

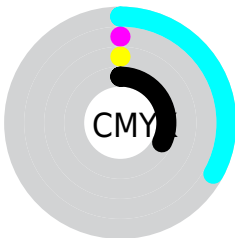
Blue (68%)



Red (45%)

Yellow (57%)

Blue (68%)

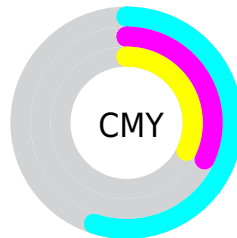


Cyan (33%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (55%)

Magenta (32%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6889, 36.6173, 45.0382 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 29.6889, 36.6173, 45.0382 by changing the saturation by 10% instead.

■ 29.6889, 36.6173,
45.0382

■ 29.6889, 36.6173,
45.0382

292.3876,
331.6507, 383.0929

■ 19.7495, 24.9113,
31.1443

■ 58.5599, 69.9838,
84.0968

■ 12.3203, 16.0110,
20.4494

■ 78.2221, 92.4131,
110.0986

■ 7.0359, 9.5319,
12.5348

■ 101.8560,
119.1856, 140.9735

■ 3.5311, 5.0897,
6.9821

129.8269,
150.6858, 177.1400

■ 1.4405, 2.3000,
3.3726

162.5001,
187.2980, 219.0166

■ 0.2848, 0.7737,
1.2879

200.2411,

■ 0.0000, 0.0000,

229.4066, 267.0220

0.0518

243.4151,
277.3960, 321.5745

■ 0.0000, 0.0000,
0.0000

■ 29.6889, 36.6173,
45.0382

■ 29.6889, 36.6173,
45.0382

■ 27.6002, 35.5415,
44.9409

■ 32.2080, 37.9168,
45.1572

■ 25.9149, 34.6727,
44.8617

■ 35.1763, 39.4470,
45.2964

■ 24.6079, 33.9989,
44.8002

■ 38.6153, 41.2199,
45.4577

■ 23.6500, 33.5051,
44.7551

■ 42.5443, 43.2454,
45.6419

■ 23.0078, 33.1740,
44.7247

■ 46.9813, 45.5327,
45.8499

■ 22.6412, 32.9850,
44.7072

■ 51.9437, 48.0909,
46.0824

■ 22.4867, 32.9054,
44.6998

■ 57.4477, 50.9284,
46.3403

■ 63.5092, 54.0532,
46.6243

■ 63.7277, 54.1658,
46.6349

Harmonies

Analogous

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



29.5595, 36.6173, 36.5467



29.6889, 36.6173, 45.0382



31.1400, 36.6173, 53.1271

Triad

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



29.6889, 36.6173, 45.0382



39.1681, 36.6173, 51.7740



36.0116, 36.6173, 26.0326

Complementary

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



29.6889, 36.6173, 45.0382



26.6327, 22.6371, 19.4902

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.



38.7439, 36.6173, 29.0251



29.6889, 36.6173, 45.0382



40.6340, 36.6173, 43.3890

Square

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



29.6889, 36.6173, 45.0382



36.5643, 36.6173, 57.3772



40.4745, 36.6173, 35.1131



33.1004, 36.6173, 26.3443

Rectangle

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



29.6889, 36.6173, 45.0382



32.7104, 36.6173, 56.8408



40.4745, 36.6173, 35.1131



36.9844, 36.6173, 26.6658

Sweetspot

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



29.6900, 36.6188, 45.0390



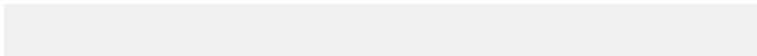
64.6183, 71.4811, 81.1967



25.4265, 34.9281, 21.9256



13.8688, 15.4446, 17.6377



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.



29.6900, 36.6188, 45.0390



50.2056, 64.0510, 80.5204



24.9408, 27.1200, 43.4570



8.2364, 9.0721, 10.2696



16.5192, 24.1729, 32.8374



0.4595, 0.6725, 0.9135

Inverse Universe

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



26.6327, 22.6371, 19.4902



43.8265, 34.8782, 27.2125



30.2926, 29.9570, 20.7096



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 29.6889, 36.6173, 45.0382 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 29.6889, 36.6173, 45.0382 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 29.6889, 36.6173, 45.0382

Background



This preview shows how black text looks on a background with the XYZ color 29.6889, 36.6173, 45.0382.

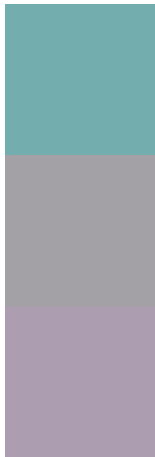


This preview shows how white text looks on a background with the XYZ color 29.6889, 36.6173,

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

29.6889, 36.6173, 45.0382

Protanopia

34.9376, 36.1354, 41.2098

Deuteranopia

37.0766, 36.3590, 46.1381



Tritanopia

30.9276, 36.5505, 51.3238

Trichromacy



Original Color

29.6889, 36.6173, 45.0382

Protanomaly

32.6492, 35.9779, 42.7597

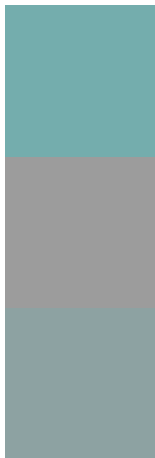
Deuteranomaly

33.7840, 35.9649, 45.7188

Tritanomaly

30.5642, 36.6928, 49.1876

Monochromacy



Original Color

29.6889, 36.6173, 45.0382

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.4264, 34.1120, 39.1631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6889, 36.6173, 45.0382 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(116, 173, 173)` looks like.

```
.text, #text, p{  
    color:rgb(116, 173, 173)  
}
```

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(116, 173, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 173, 173) }
```

Border

The CSS property to change the border of an element to XYZ 29.6889, 36.6173, 45.0382 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(116, 173, 173) }
```


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

```
.border{ border-color:rgb(116, 173, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 173, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 173, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 173, 173);  
box-shadow:4px 4px 4px 4px rgb(116, 173,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6889, 36.6173, 45.0382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 173, 173) }
```

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

```
.background{ background-color: rgb(116,  
173, 173) }
```

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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