

Converting Colors

XYZ(10.3472, 9.9819, 16.7690)

Have a look what the booklet for
XYZ(10.3472, 9.9819, 16.7690)
contains.

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Color

**XYZ(10.2769, 9.9001,
16.6985)**

Conversions

Conversions Part 1

Format	Color
Hex	585670
RGB	88, 86, 112
RGB Percent	35%, 34%, 44%
CMY	0.6549, 0.6627, 0.5608
CMYK	0.21, 0.23, 0.00, 0.56
HSL	245°, 13%, 39%
HSV	245°, 23%, 44%
XYZ	10.2769, 9.9001, 16.6985
YIQ	89.5620, -7.1540, 8.5100

Conversions

Conversions Part 2

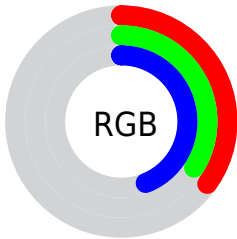
Format	Color
R_{YB}	88, 86, 112
Decimal	5789296
CIE Lab	37.66, 6.90, -14.53
CIE LCh	38, 16.086, 295.391
Yxy	9.9001, 0.2787, 0.2685
Android (android.graphics.Color)	4283979376 (0xFF585670)
YUV	89.5620, 11.0619, -1.3699
Hunter-Lab	31.4644, 3.2389, -9.4407

Details

The XYZ color **10.2769, 9.9001, 16.6985** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **13.9046, 15.5755, 11.0780**, and the grayscale version is **9.5978, 10.0976, 10.9963**.

A 20% lighter version of the original color is **25.9862, 25.6919, 38.7114**, and **2.6732, 2.4483, 5.1822** is the 20% darker color. If you saturate the color by 10%, you get **8.5416, 7.7807, 16.3810**, and if you desaturate by 10%, it is **12.2918, 12.3722, 17.0696**.

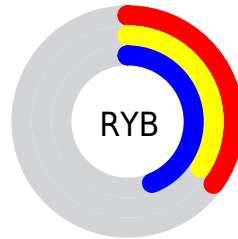
Distribution



Red (35%)

Green (34%)

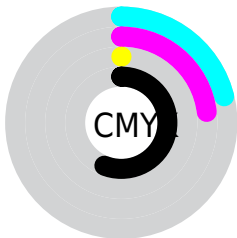
Blue (44%)



Red (35%)

Yellow (34%)

Blue (44%)

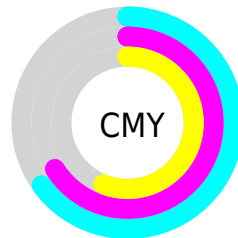


Cyan (21%)

Magenta (23%)

Yellow (0%)

Black (56%)



Cyan (65%)

Magenta (66%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2769, 9.9001, 16.6985 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 10.2769, 9.9001, 16.6985 by changing the saturation by 10% instead.

■ 10.2769, 9.9001,
16.6985

■ 10.2769, 9.9001,
16.6985

186.6497,
189.9576, 245.4137

■ 5.6466, 5.3328,
9.8601

■ 25.9600, 25.6074,
38.5902

■ 2.6700, 2.4438,
5.2019

■ 37.7435, 37.5162,
54.4805

■ 0.9818, 0.8483,
2.3054

■ 52.6422, 52.6410,
74.2253

■ 0.0000, 0.0000,
0.7342

■ 71.0213, 71.3660,
98.2429

■ 0.0000, 0.0000,
0.0000

■ 93.2463, 94.0758,
126.9521

119.6824,

121.1548, 160.7712

150.6951,
152.9872, 200.1189

■ 10.2769, 9.9001,
16.6985

■ 10.2769, 9.9001,
16.6985

■ 8.5416, 7.7807,
16.3810

■ 12.2918, 12.3722,
17.0696

■ 7.0727, 5.9967,
16.1141

■ 14.5969, 15.2108,
17.4960

■ 5.8571, 4.5313,
15.8953

■ 17.2035, 18.4304,
17.9801

■ 4.8806, 3.3657,
15.7218

■ 20.1219, 22.0444,
18.5239

■ 4.1273, 2.4791,
15.5904

■ 23.3619, 26.0655,
19.1292

■ 3.5794, 1.8481,
15.4975

■ 26.9329, 30.5058,
19.7981

■ 3.2146, 1.4418,
15.4383

■ 30.8440, 35.3770,
20.5322

■ 3.0325, 1.2254,
15.4061

■ 35.1039, 40.6903,
21.3333

■ 39.7208, 46.4565,
22.2029

Harmonies

Analogous

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



9.2529, 9.9001, 17.4112



10.2769, 9.9001, 16.6985



11.1198, 9.9001, 14.2987

Triad

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



10.2769, 9.9001, 16.6985



10.5694, 9.9001, 6.7826



7.5854, 9.9001, 10.3340

Complementary

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



10.2769, 9.9001, 16.6985



13.9046, 15.5755, 11.0780

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.



7.8847, 9.9001, 7.8910



10.2769, 9.9001, 16.6985



9.5684, 9.9001, 6.0903

Square

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



10.2769, 9.9001, 16.6985



11.2971, 9.9001, 8.5439



8.5928, 9.9001, 6.4562



7.7453, 9.9001, 13.3746

Rectangle

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



10.2769, 9.9001, 16.6985



11.4402, 9.9001, 12.2608



8.5928, 9.9001, 6.4562



7.6350, 9.9001, 9.4227

Sweetspot

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



10.2772, 9.9005, 16.6987



23.9729, 24.6628, 30.4267



12.3674, 14.3580, 17.4489



5.7217, 5.8787, 7.3029



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.2772, 9.9005, 16.6987



16.3119, 15.2620, 29.0159



11.5897, 10.5771, 16.7601



3.2392, 3.3116, 4.2227



3.4964, 1.4119, 17.8098



17.1116, 6.8757, 88.7044

Inverse Universe

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



12.8246, 11.2265, 16.2432



21.6541, 18.0436, 28.0194



12.4324, 14.8165, 11.0091



3.5039, 3.4493, 4.1801



10.5740, 5.1220, 15.3646



52.5305, 25.4575, 75.7829

Previews

White Background



This preview shows how the XYZ color 10.2769, 9.9001, 16.6985 looks on a white 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

Black Background



This preview shows how the XYZ color 10.2769, 9.9001, 16.6985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

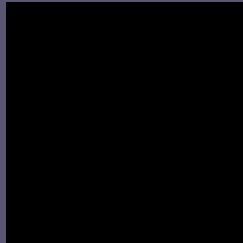
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2769, 9.9001, 16.6985

Background



This preview shows how black text looks on a background with the XYZ color 10.2769, 9.9001, 16.6985.



This preview shows how white text looks on a background with the XYZ color 10.2769, 9.9001,

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

10.2769, 9.9001, 16.6985

Protanopia

9.9500, 9.9655, 17.0219

Deuteranopia

10.0791, 9.9175, 16.7123



Tritanopia

9.4300, 9.9206, 12.4842

Trichromacy



Original Color

10.2769, 9.9001, 16.6985

Protanomaly

10.0450, 9.8935, 17.0030

Deuteranomaly

10.1706, 9.9647, 16.7166

Tritanomaly

9.7257, 9.9172, 13.9720

Monochromacy



Original Color

10.2769, 9.9001, 16.6985

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.8968, 10.1504, 12.9929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2769, 9.9001, 16.6985 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(88, 86, 112) looks like.

```
.text, #text, p{  
    color:rgb(88, 86, 112)  
}
```

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(88, 86, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 86, 112) }
```

Border

The CSS property to change the border of an element to XYZ 10.2769, 9.9001, 16.6985 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(88, 86, 112) }
```


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

```
.border{ border-color:rgb(88, 86, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 86, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 86, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 86, 112);  
box-shadow:4px 4px 4px 4px rgb(88, 86,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2769, 9.9001, 16.6985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 86, 112) }
```

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

```
.background{ background-color: rgb(88, 86,  
112) }
```

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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