

Converting Colors

XYZ(24.7445, 17.0922, 23.8859)

Have a look what the booklet for
XYZ(24.7445, 17.0922, 23.8859)
contains.

XYZ(24.6469, 17.0472, 23.8212)	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(24.6469, 17.0472,
23.8212)**

Conversions

Conversions Part 1

Format	Color
Hex	AD5584
RGB	173, 85, 132
RGB Percent	68%, 33%, 52%
CMY	0.3216, 0.6666, 0.4824
CMYK	0.00, 0.51, 0.24, 0.32
HSL	328°, 35%, 51%
HSV	328°, 51%, 68%
XYZ	24.6469, 17.0472, 23.8212
YIQ	116.6700, 37.3610, 33.2730

Conversions

Conversions Part 2

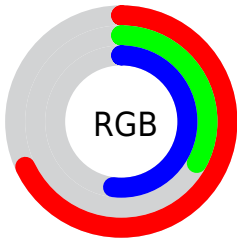
Format	Color
R_{YB}	173, 85, 132
Decimal	11359620
CIE Lab	48.32, 41.60, -9.62
CIE LCh	48, 42.702, 346.985
Yxy	17.0472, 0.3762, 0.2602
Android (android.graphics.Color)	4289549700 (0xFFAD5584)
YUV	116.6700, 7.5577, 49.4014
Hunter-Lab	41.2883, 34.3006, -5.3055

Details

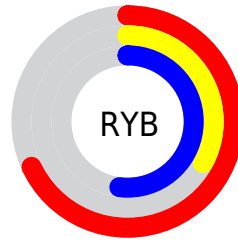
The XYZ color **24.6469, 17.0472, 23.8212** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **22.4566, 33.3252, 24.9891**, and the grayscale version is **16.7764, 17.6501, 19.2209**.

A 20% lighter version of the original color is **50.3357, 38.2171, 50.6226**, and **9.5764, 5.5638, 8.7528** is the 20% darker color. If you saturate the color by 10%, you get **22.9172, 14.4366, 20.6276**, and if you desaturate by 10%, it is **26.7532, 20.3424, 27.3510**.

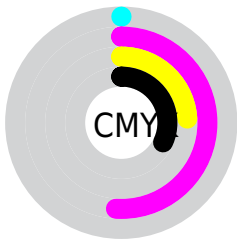
Distribution



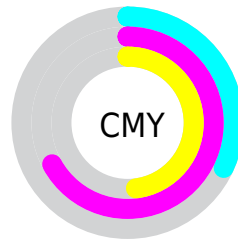
- Red (68%)
- Green (33%)
- Blue (52%)



- Red (68%)
- Yellow (33%)
- Blue (52%)



- Cyan (0%)
- Magenta (51%)
- Yellow (24%)
- Black (32%)





- Cyan (32%)
- Magenta (67%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6469, 17.0472, 23.8212 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 24.6469, 17.0472, 23.8212 by changing the saturation by 10% instead.


 24.6469, 17.0472,
23.8212

 24.6469, 17.0472,
23.8212


268.4551,
235.4442, 285.1727


 15.9415, 10.2681,
14.9901


 50.5308, 38.4069,
50.6784


 9.5734, 5.5771,
8.6659

 68.4401, 53.7564,
69.5416


 5.1771, 2.5897,
4.4301

 90.1480, 72.7314,
92.5859

 2.3874, 0.9215,
1.8641

 116.0200, 95.7164,
120.2298

 0.8388, 0.0000,
0.4698

 146.4213,
123.0958, 152.8919

 0.0000, 0.0000,
0.0000

181.7173,

155.2540, 190.9907

222.2735,
192.5753, 234.9448

■ 24.6469, 17.0472,
23.8212

■ 24.6469, 17.0472,
23.8212

■ 22.9172, 14.4366,
20.6276

■ 26.7532, 20.3424,
27.3510

■ 21.5370, 12.4584,
17.7558

■ 29.2576, 24.3644,
31.2283

■ 20.4775, 11.0567,
15.1917

■ 32.1820, 29.1551,
35.4649

■ 19.7046, 10.1645,
12.9187

■ 35.5459, 34.7524,
40.0715

■ 19.1826, 9.6639,
11.0700

■ 39.3677, 41.1916,
45.0586

■ 43.6647, 48.5059,
50.4360

■ 48.4532, 56.7268,
56.2130

■ 53.7489, 65.8841,
62.3988

■ 59.5664, 76.0064,
69.0020

Harmonies

Analogous

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



22.3168, 17.0472, 37.3679



24.6469, 17.0472, 23.8212



24.4698, 17.0472, 12.9760

Triad

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



24.6469, 17.0472, 23.8212



14.1127, 17.0472, 4.6797



11.6132, 17.0472, 39.0677

Complementary

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



24.6469, 17.0472, 23.8212



22.4566, 33.3252, 24.9891

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.



10.0455, 17.0472, 25.5562



24.6469, 17.0472, 23.8212



11.3220, 17.0472, 7.4400

Square

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



24.6469, 17.0472, 23.8212



17.9481, 17.0472, 4.5279



9.9482, 17.0472, 14.1393



14.5746, 17.0472, 48.2706

Rectangle

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



24.6469, 17.0472, 23.8212



22.9493, 17.0472, 8.4194



9.9482, 17.0472, 14.1393



10.9280, 17.0472, 34.6802

Sweetspot

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



24.6474, 17.0480, 23.8215



60.9123, 57.6490, 68.0548



19.1913, 13.8451, 41.1961



12.9727, 12.0879, 14.4262



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.



24.6474, 17.0480, 23.8215



40.7144, 25.3714, 36.2947



22.3027, 16.1102, 11.4747



8.1773, 8.0842, 9.2444



14.1216, 7.1112, 8.2858



0.4201, 0.2087, 0.3743

Inverse Universe

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



24.6474, 17.0480, 23.8215



40.7144, 25.3714, 36.2947



25.8143, 34.6683, 42.6708



8.1773, 8.0842, 9.2444



14.1216, 7.1112, 8.2858



0.4201, 0.2087, 0.3743

Previews

White Background



This preview shows how the XYZ color 24.6469, 17.0472, 23.8212 looks on a white background.

Color Contrast Check

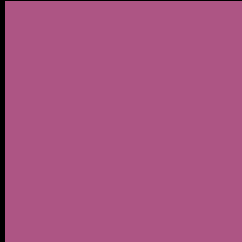
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.6469, 17.0472, 23.8212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

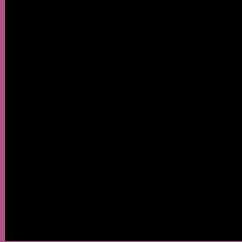
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.6469, 17.0472, 23.8212

Background



This preview shows how black text looks on a background with the XYZ color 24.6469, 17.0472, 23.8212.



This preview shows how white text looks on a background with the XYZ color 24.6469, 17.0472,

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

24.6469, 17.0472, 23.8212

Protanopia

17.5105, 17.3049, 32.1230

Deuteranopia

17.5756, 17.2118, 22.8179



Tritanopia

22.6568, 17.1012, 13.9111

Trichromacy



Original Color

24.6469, 17.0472, 23.8212

Protanomaly

19.1670, 16.4907, 28.9609

Deuteranomaly

19.5290, 16.6632, 22.9559

Tritanomaly

23.2362, 16.9504, 17.0860

Monochromacy



Original Color

24.6469, 17.0472, 23.8212

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.8810, 16.8267, 20.6651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6469, 17.0472, 23.8212 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(173, 85, 132)` looks like.

```
.text, #text, p{  
    color:rgb(173, 85, 132)  
}
```

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(173, 85, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 85, 132) }
```

Border

The CSS property to change the border of an element to XYZ 24.6469, 17.0472, 23.8212 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(173, 85, 132) }
```


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

```
.border{ border-color:rgb(173, 85, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 85, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 85, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 85, 132);  
box-shadow:4px 4px 4px 4px rgb(173, 85,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6469, 17.0472, 23.8212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 85, 132) }
```

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

```
.background{ background-color: rgb(173, 85,  
132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor