

Converting Colors

XYZ(24.0702, 16.8676, 23.8169)

Have a look what the booklet for
XYZ(24.0702, 16.8676, 23.8169)
contains.

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Color

**XYZ(24.0702, 16.8676,
23.8169)**

Conversions

Conversions Part 1

Format	Color
Hex	AA5684
RGB	170, 86, 132
RGB Percent	67%, 34%, 52%
CMY	0.3333, 0.6627, 0.4824
CMYK	0.00, 0.49, 0.22, 0.33
HSL	327°, 33%, 50%
HSV	327°, 49%, 67%
XYZ	24.0702, 16.8676, 23.8169
YIQ	116.3600, 35.2980, 32.1140

Conversions

Conversions Part 2

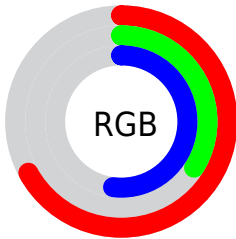
Format	Color
R_{YB}	170, 86, 132
Decimal	11163268
CIE _{Lab}	48.09, 40.08, -10.00
CIE _{LCh}	48, 41.304, 345.989
Yxy	16.8676, 0.3717, 0.2605
Android (android.graphics.Color)	4289353348 (0xFFAA5684)
YUV	116.3600, 7.7105, 47.0423
Hunter-Lab	41.0702, 32.7415, -5.6336

Details

The XYZ color **24.0702, 16.8676, 23.8169** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **21.8514, 32.1836, 24.1308**, and the grayscale version is **16.6810, 17.5497, 19.1116**.

A 20% lighter version of the original color is **49.5240, 38.0106, 50.6255**, and **9.2326, 5.4714, 8.7531** is the 20% darker color. If you saturate the color by 10%, you get **22.3638, 14.2660, 20.7465**, and if you desaturate by 10%, it is **26.1393, 20.1319, 27.2000**.

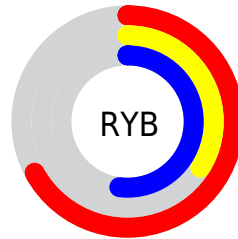
Distribution



Red (67%)

Green (34%)

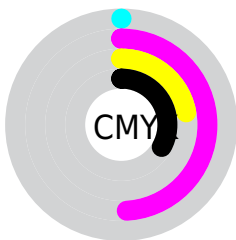
Blue (52%)



Red (67%)

Yellow (34%)

Blue (52%)

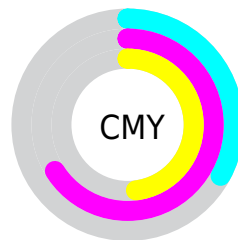


Cyan (0%)

Magenta (49%)

Yellow (22%)

Black (33%)



Cyan (33%)

Magenta (66%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0702, 16.8676, 23.8169 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 24.0702, 16.8676, 23.8169 by changing the saturation by 10% instead.


 24.0702, 16.8676,
23.8169


 24.0702, 16.8676,
23.8169


265.6091,
234.4082, 285.1502


 15.5107, 10.1401,
14.9869


 49.5986, 38.0980,
50.6713

 9.2672, 5.4920,
8.6637


 67.2982, 53.3697,
69.5328


 4.9744, 2.5387,
4.4287


 88.7752, 72.2583,
92.5753

 2.2669, 0.8960,
1.8633

 114.3950, 95.1482,
120.2172

 0.7776, 0.0000,
0.4693

 144.5229,
122.4237, 152.8771

 0.0000, 0.0000,
0.0000

179.5244,

154.4693, 190.9735

219.7646,
191.6693, 234.9250

■ 24.0702, 16.8676,
23.8169

■ 24.0702, 16.8676,
23.8169

■ 22.3638, 14.2660,
20.7465

■ 26.1393, 20.1319,
27.2000

■ 20.9943, 12.2779,
17.9757

■ 28.5912, 24.0989,
30.9059

■ 19.9352, 10.8510,
15.4914


■ 31.4465, 28.8079,
34.9456


■ 19.1546, 9.9231,
13.2787

■ 34.7238, 34.2949,
39.3290


■ 18.5886, 9.3679,
11.3116


■ 38.4403, 40.5934,
44.0655

 18.5575, 9.3380,
11.2015

 42.6125, 47.7350,
49.1641

 47.2558, 55.7495,
54.6335

 52.3849, 64.6653,
60.4818

 58.0140, 74.5095,
66.7173

Harmonies

Analogous

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



21.7800, 16.8676, 36.7126



24.0702, 16.8676, 23.8169



23.9861, 16.8676, 13.2572

Triad

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



24.0702, 16.8676, 23.8169



14.1319, 16.8676, 4.8299



11.5369, 16.8676, 37.5160

Complementary

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



24.0702, 16.8676, 23.8169



21.8514, 32.1836, 24.1308

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.



10.0653, 16.8676, 24.6427



24.0702, 16.8676, 23.8169



11.3966, 16.8676, 7.4514

Square

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



24.0702, 16.8676, 23.8169



17.8369, 16.8676, 4.7548



10.0183, 16.8676, 13.8174



14.3534, 16.8676, 46.4701

Rectangle

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



24.0702, 16.8676, 23.8169



22.5828, 16.8676, 8.7276



10.0183, 16.8676, 13.8174



10.8892, 16.8676, 33.3204

Sweetspot

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



24.0707, 16.8684, 23.8172



59.4215, 56.2124, 66.6185



18.8676, 13.8291, 39.7052



12.9864, 12.0934, 14.4984



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.



24.0707, 16.8684, 23.8172



40.3939, 25.6122, 37.2934



21.7600, 15.9441, 11.6493



7.6965, 7.6085, 8.7190



13.6795, 6.8805, 8.3896



0.3581, 0.1775, 0.3372

Inverse Universe

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



24.0707, 16.8684, 23.8172



40.3939, 25.6122, 37.2934



25.0776, 33.4741, 41.1199



7.6965, 7.6085, 8.7190



13.6795, 6.8805, 8.3896



0.3581, 0.1775, 0.3372

Previews

White Background



This preview shows how the XYZ color 24.0702, 16.8676, 23.8169 looks on a white background.

Color Contrast Check

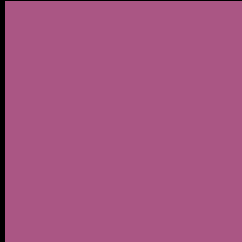
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0702, 16.8676, 23.8169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

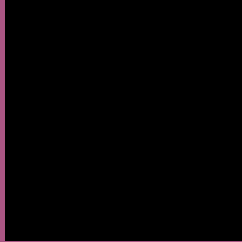
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0702, 16.8676, 23.8169

Background



This preview shows how black text looks on a background with the XYZ color 24.0702, 16.8676, 23.8169.



This preview shows how white text looks on a background with the XYZ color 24.0702, 16.8676,

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

24.0702, 16.8676, 23.8169

Protanopia

17.3167, 17.0479, 31.6560

Deuteranopia

17.4362, 17.1399, 22.8114



Tritanopia

22.1028, 16.9450, 13.9102

Trichromacy



Original Color

24.0702, 16.8676, 23.8169

Protanomaly

18.9375, 16.3812, 28.5493

Deuteranomaly

19.2939, 16.6887, 22.9732

Tritanomaly

22.6739, 16.7849, 17.0837

Monochromacy



Original Color

24.0702, 16.8676, 23.8169

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.7178, 16.7425, 20.6575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0702, 16.8676, 23.8169 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(170, 86, 132)` looks like.

```
.text, #text, p{  
    color:rgb(170, 86, 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(170, 86, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 86, 132) }
```

Border

The CSS property to change the border of an element to XYZ 24.0702, 16.8676, 23.8169 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(170, 86, 132) }
```


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

```
.border{ border-color:rgb(170, 86, 132) }
```

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

Here you see how a box with a 4 pixel rgb(170, 86, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 86, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 86, 132);  
box-shadow:4px 4px 4px 4px rgb(170, 86,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0702, 16.8676, 23.8169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 86, 132) }
```

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

```
.background{ background-color: rgb(170, 86,  
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](#).

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