

Converting Colors

XYZ(24.2169, 12.0349, 43.5250)

Have a look what the booklet for
XYZ(24.2169, 12.0349, 43.5250)
contains.

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Color

**XYZ(24.1892, 12.0149,
43.6920)**

Conversions

Conversions Part 1

Format	Color
Hex	A618B3
RGB	166, 24, 179
RGB Percent	65%, 9%, 70%
CMY	0.3490, 0.9059, 0.2980
CMYK	0.07, 0.87, 0.00, 0.30
HSL	295°, 76%, 40%
HSV	295°, 87%, 70%
XYZ	24.1892, 12.0149, 43.6920
YIQ	84.1280, 34.8770, 78.3090

Conversions

Conversions Part 2

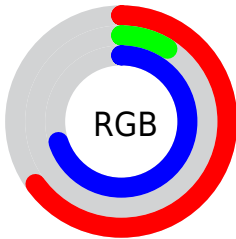
Format	Color
R_{YB}	166, 24, 179
Decimal	10885299
CIE _{Lab}	41.24, 70.13, -48.83
CIE _{LCh}	41, 85.458, 325.154
Yxy	12.0149, 0.3028, 0.1504
Android (android.graphics.Color)	4289075379 (0xFFA618B3)
YUV	84.1280, 46.7719, 71.8017
Hunter-Lab	34.6625, 63.9066, -50.4711

Details

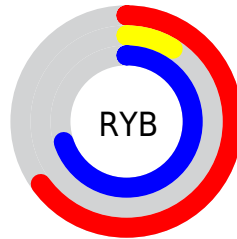
The XYZ color **24.1892, 12.0149, 43.6920** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **17.0483, 32.6997, 6.2777**, and the grayscale version is **8.3557, 8.7909, 9.5733**.

A 20% lighter version of the original color is **49.9327, 29.5459, 82.4281**, and **10.0083, 4.7319, 19.7879** is the 20% darker color. If you saturate the color by 10%, you get **23.6163, 11.3331, 43.5908**, and if you desaturate by 10%, it is **25.0042, 13.1744, 43.8730**.

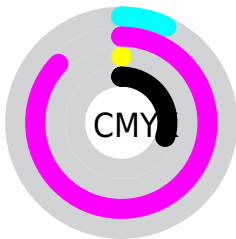
Distribution



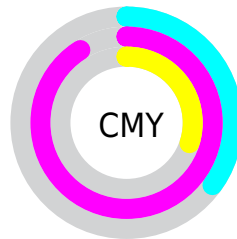
- Red (65%)
- Green (9%)
- Blue (70%)



- Red (65%)
- Yellow (9%)
- Blue (70%)



- Cyan (7%)
- Magenta (87%)
- Yellow (0%)
- Black (30%)





- Cyan (35%)
- Magenta (91%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1892, 12.0149, 43.6920 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 24.1892, 12.0149, 43.6920 by changing the saturation by 10% instead.


 24.1892, 12.0149,
43.6920

 24.1892, 12.0149,
43.6920


266.1984,
204.5039, 377.4544


 15.5995, 6.7538,
30.0930


 49.7912, 29.5222,
82.0516


 9.3303, 3.3086,
19.6566


 67.5342, 42.5373,
107.6493


 5.0160, 1.2949,
11.9640


 89.0591, 58.9058,
138.0837

 2.2915, 0.1373,
6.5970

 114.7312, 79.0122,
173.7733

 0.7903, 0.0000,
3.1367

 144.9158,
103.2407, 215.1366

 0.0000, 0.0000,
1.1649

 179.9783,

 0.0000, 0.0000,

131.9760, 262.5922

0.0000

220.2840,
165.6022, 316.5586

■ 24.1892, 12.0149,
43.6920

■ 24.1892, 12.0149,
43.6920

■ 23.6163, 11.3331,
43.5908

■ 25.0042, 13.1744,
43.8730

■ 23.4441, 11.1459,
43.5637

■ 26.1056, 14.9018,
44.1484

■ 27.5274, 17.2645,
44.5295

■ 29.2986, 20.3204,
45.0260

■ 31.4447, 24.1208,
45.6464

■ 33.9891, 28.7121,
46.3985

■ 36.9530, 34.1368,
47.2894

■ 40.3563, 40.4347,
48.3257

■ 44.2174, 47.6427,
49.5134

Harmonies

Analogous

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



17.2427, 12.0149, 74.2553



24.1892, 12.0149, 43.6920



27.7942, 12.0149, 16.1683

Triad

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



24.1892, 12.0149, 43.6920



12.4519, 12.0149, 0.0000



3.6943, 12.0149, 33.4966

Complementary

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



24.1892, 12.0149, 43.6920



17.0483, 32.6997, 6.2777

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.



3.2071, 12.0149, 10.4161



24.1892, 12.0149, 43.6920



7.0821, 12.0149, 0.0000

Square

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



24.1892, 12.0149, 43.6920



19.6304, 12.0149, 0.0677



4.1871, 12.0149, 1.6871



5.8929, 12.0149, 65.4895

Rectangle

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



24.1892, 12.0149, 43.6920



27.1297, 12.0149, 6.0574



4.1871, 12.0149, 1.6871



3.3685, 12.0149, 24.1291

Sweetspot

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



24.1897, 12.0154, 43.6923



60.9467, 51.5557, 83.1202



9.2559, 4.9335, 43.1124



13.1384, 10.7611, 18.3069



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.1897, 12.0154, 43.6923



41.8940, 19.9137, 78.0168



22.1283, 11.5218, 17.8883



8.7783, 8.6098, 10.7055



16.5934, 7.8900, 30.7853



0.5426, 0.2588, 0.9696

Inverse Universe

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



19.2513, 10.3709, 2.7379



33.4165, 17.2128, 2.1981



18.1769, 33.1066, 14.2373



8.5243, 8.5165, 8.9936



13.2084, 6.8009, 0.9916



0.4251, 0.2178, 0.0810

Previews

White Background



This preview shows how the XYZ color 24.1892, 12.0149, 43.6920 looks on a white background.

Color Contrast Check

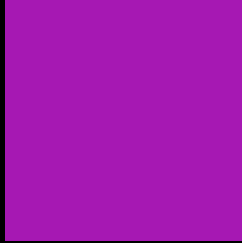
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1892, 12.0149, 43.6920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

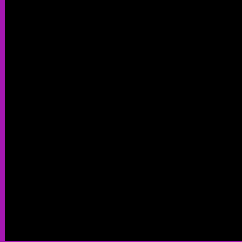
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.1892, 12.0149, 43.6920

Background



This preview shows how black text looks on a background with the XYZ color 24.1892, 12.0149, 43.6920.



This preview shows how white text looks on a background with the XYZ color 24.1892, 12.0149,

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

24.1892, 12.0149, 43.6920

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.8453, 12.5598, 39.2834



Tritanopia

17.0841, 12.1852, 8.6593

Trichromacy



Original Color

24.1892, 12.0149, 43.6920



Protanomaly

13.6172, 9.0672, 51.4845



Deuteranomaly

14.0766, 9.8255, 40.6898



Tritanomaly

18.5613, 11.2393, 17.4108

Monochromacy



Original Color

24.1892, 12.0149, 43.6920



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

11.9918, 8.3546, 18.4333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1892, 12.0149, 43.6920 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(166, 24, 179)` looks like.

```
.text, #text, p{  
    color:rgb(166, 24, 179)  
}
```

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(166, 24, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 24, 179) }
```

Border

The CSS property to change the border of an element to XYZ 24.1892, 12.0149, 43.6920 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(166, 24, 179) }
```


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

```
.border{ border-color:rgb(166, 24, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 24, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 24, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 24, 179);  
box-shadow:4px 4px 4px 4px rgb(166, 24,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1892, 12.0149, 43.6920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 24, 179) }
```

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

```
.background{ background-color: rgb(166, 24,  
179) }
```

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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