

Converting Colors

XYZ(20.9190, 12.4582, 10.5334)

Have a look what the booklet for
XYZ(20.9190, 12.4582, 10.5334)
contains.

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Color

**XYZ(20.9391, 12.4809,
10.5380)**

Conversions

Conversions Part 1

Format	Color
Hex	B03558
RGB	176, 53, 88
RGB Percent	69%, 21%, 35%
CMY	0.3098, 0.7921, 0.6549
CMYK	0.00, 0.70, 0.50, 0.31
HSL	343°, 54%, 45%
HSV	343°, 70%, 69%
XYZ	20.9391, 12.4809, 10.5380
YIQ	93.7670, 62.0730, 36.9610

Conversions

Conversions Part 2

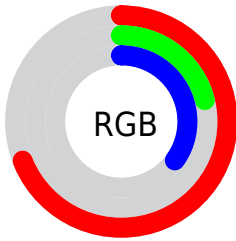
Format	Color
R_{YB}	176, 53, 88
Decimal	11547992
CIE Lab	41.97, 52.11, 8.12
CIE LCh	42, 52.736, 8.861
Yxy	12.4809, 0.4763, 0.2839
Android (android.graphics.Color)	4289738072 (0xFFB03558)
YUV	93.7670, -2.8431, 72.1183
Hunter-Lab	35.3283, 43.9724, 7.0443

Details

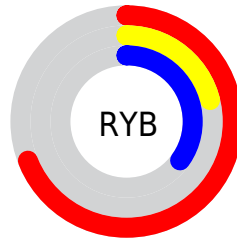
The XYZ color **20.9391, 12.4809, 10.5380** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.8022, 33.7311, 30.5637**, and the grayscale version is **10.5813, 11.1323, 12.1231**.

A 20% lighter version of the original color is **44.5421, 30.3930, 27.5636**, and **7.9073, 4.0260, 2.6458** is the 20% darker color. If you saturate the color by 10%, you get **19.8016, 10.9699, 7.8038**, and if you desaturate by 10%, it is **22.4619, 14.6185, 13.8454**.

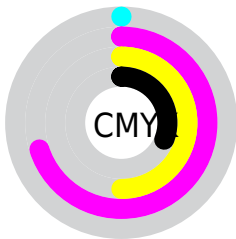
Distribution



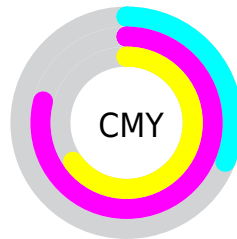
- Red (69%)
- Green (21%)
- Blue (35%)



- Red (69%)
- Yellow (21%)
- Blue (35%)



- Cyan (0%)
- Magenta (70%)
- Yellow (50%)
- Black (31%)





- Cyan (31%)
- Magenta (79%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9391, 12.4809, 10.5380 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 20.9391, 12.4809, 10.5380 by changing the saturation by 10% instead.


 20.9391, 12.4809,
10.5380


 20.9391, 12.4809,
10.5380


249.6925,
207.5635, 205.0923


 13.1917, 7.0721,
5.6469


 44.4782, 30.3680,
27.4261


 7.6386, 3.5072,
2.5663


 61.0006, 43.6151,
40.2601


 3.9144, 1.4019,
0.8750


 81.1787, 60.2436,
56.5789

 1.6538, 0.2181,
0.0000

 105.3779, 80.6382,
76.8009

 0.4271, 0.0000,
0.0000

 133.9635,
105.1830, 101.3447

 0.0000, 0.0000,
0.0000

 167.3009,

134.2626, 130.6288

205.7555,
168.2613, 165.0718

■ 20.9391, 12.4809,
10.5380

■ 20.9391, 12.4809,
10.5380

■ 19.8016, 10.9699,
7.8038

■ 22.4619, 14.6185,
13.8454

■ 19.0097, 10.0133,
5.6065

■ 24.4024, 17.4401,
17.7578

■ 18.4873, 9.4668,
3.8958

■ 26.7903, 20.9992,
22.3050

■ 18.4818, 9.4610,
3.8781

■ 29.6525, 25.3431,
27.5146

■ 33.0134, 30.5153,
33.4126

■ 36.8961, 36.5560,
40.0235

■ 41.3218, 43.5027,
47.3704

■ 46.3107, 51.3910,
55.4755

■ 51.8821, 60.2542,
64.3601

Harmonies

Analogous

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



20.3377, 12.4809, 22.9165



20.9391, 12.4809, 10.5380



18.7250, 12.4809, 4.0680

Triad

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



20.9391, 12.4809, 10.5380



7.7466, 12.4809, 2.7790



9.3550, 12.4809, 45.1460

Complementary

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



20.9391, 12.4809, 10.5380



21.8022, 33.7311, 30.5637

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.



6.9227, 12.4809, 32.0473



20.9391, 12.4809, 10.5380



6.1458, 12.4809, 7.2147

Square

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



20.9391, 12.4809, 10.5380



10.7429, 12.4809, 1.4905



5.8815, 12.4809, 17.1798



13.0578, 12.4809, 47.8492

Rectangle

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



20.9391, 12.4809, 10.5380



16.1860, 12.4809, 2.2412



5.8815, 12.4809, 17.1798



8.3872, 12.4809, 41.5673

Sweetspot

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



20.9394, 12.4816, 10.5382



58.9111, 53.8532, 58.9297



19.7745, 11.1793, 42.1899



12.4006, 11.1057, 12.1326



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.9394, 12.4816, 10.5382



35.0387, 18.8113, 11.8108



21.2438, 14.8802, 5.1216



8.5925, 8.5437, 9.3524



13.5827, 6.9506, 2.9626



0.4531, 0.2290, 0.2287

Inverse Universe

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



20.9394, 12.4816, 10.5382



35.0387, 18.8113, 11.8108



20.4364, 26.1544, 45.0455



8.5925, 8.5437, 9.3524



13.5827, 6.9506, 2.9626



0.4531, 0.2290, 0.2287

Previews

White Background



This preview shows how the XYZ color 20.9391, 12.4809, 10.5380 looks on a white background.

Color Contrast Check

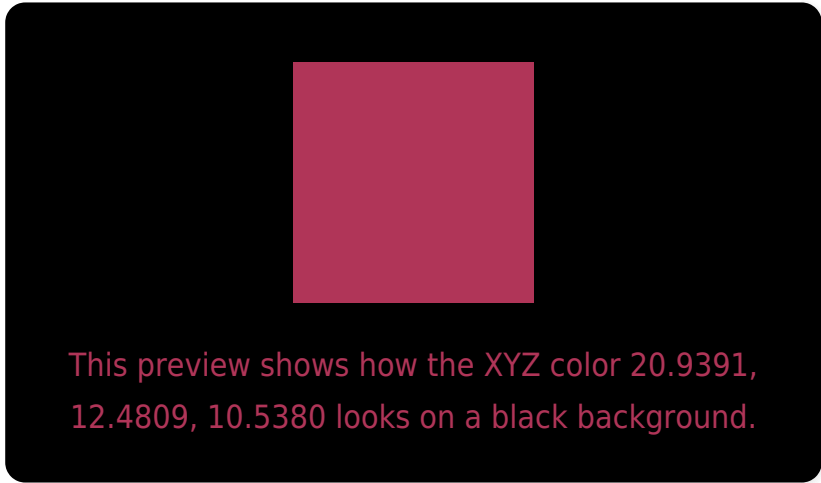
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

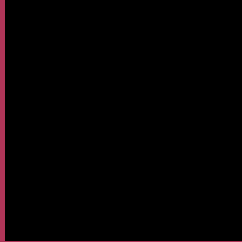
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9391, 12.4809, 10.5380

Background



This preview shows how black text looks on a background with the XYZ color 20.9391, 12.4809, 10.5380.



This preview shows how white text looks on a background with the XYZ color 20.9391, 12.4809,

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

20.9391, 12.4809, 10.5380

Protanopia

12.4795, 12.7126, 17.4188

Deuteranopia

12.9083, 12.6879, 9.7513



Tritanopia

20.1127, 12.5897, 5.9274

Trichromacy



Original Color

20.9391, 12.4809, 10.5380

Protanomaly

14.1202, 11.4697, 14.5664

Deuteranomaly

14.9501, 11.7807, 9.8734

Tritanomaly

20.2797, 12.4951, 7.3042

Monochromacy



Original Color

20.9391, 12.4809, 10.5380

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.0399, 10.6498, 11.4935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9391, 12.4809, 10.5380 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(176, 53, 88)` looks like.

```
.text, #text, p{  
    color:rgb(176, 53, 88)  
}
```

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(176, 53, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 53, 88) }
```

Border

The CSS property to change the border of an element to XYZ 20.9391, 12.4809, 10.5380 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(176, 53, 88) }
```


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

```
.border{ border-color:rgb(176, 53, 88) }
```

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

Here you see how a box with a 4 pixel rgb(176, 53, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 53, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 53, 88);  
box-shadow:4px 4px 4px 4px rgb(176, 53,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9391, 12.4809, 10.5380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 53, 88) }
```

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

```
.background{ background-color: rgb(176, 53,  
88) }
```

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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