

Converting Colors

XYZ(20.7712, 12.5864, 4.8194)

Have a look what the booklet for
XYZ(20.7712, 12.5864, 4.8194)
contains.

XYZ(20.8074, 12.6080, 4.8269)	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(20.8074, 12.6080,
4.8269)**

Conversions

Conversions Part 1

Format	Color
Hex	B43636
RGB	180, 54, 54
RGB Percent	71%, 21%, 21%
CMY	0.2941, 0.7882, 0.7882
CMYK	0.00, 0.70, 0.70, 0.29
HSL	0°, 54%, 46%
HSV	0°, 70%, 71%
XYZ	20.8074, 12.6080, 4.8269
YIQ	91.6740, 75.0960, 26.7120

Conversions

Conversions Part 2

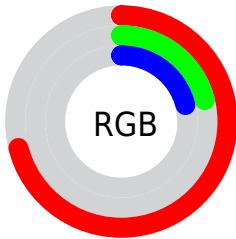
Format	Color
R_{YB}	180, 54, 54
Decimal	11810358
CIE _{Lab}	42.17, 50.63, 29.50
CIE _{LCh}	42, 58.596, 30.232
Yxy	12.6080, 0.5441, 0.3297
Android (android.graphics.Color)	4290000438 (0xFFB43636)
YUV	91.6740, -18.5733, 77.4619
Hunter-Lab	35.5077, 42.4617, 16.7956

Details

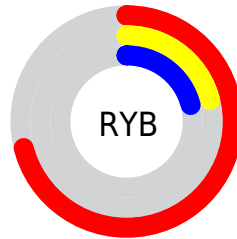
The XYZ color **20.8074, 12.6080, 4.8269** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **26.0789, 36.7183, 48.8925**, and the grayscale version is **10.1277, 10.6552, 11.6035**.

A 20% lighter version of the original color is **44.4356, 30.7541, 15.9060**, and **7.8061, 4.0172, 0.6806** is the 20% darker color. If you saturate the color by 10%, you get **19.7719, 11.0930, 2.7682**, and if you desaturate by 10%, it is **22.3098, 14.8068, 7.8131**.

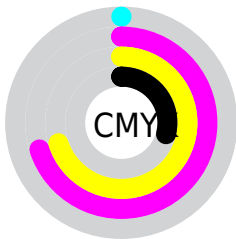
Distribution



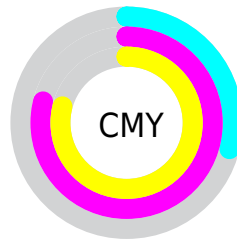
- Red (71%)
- Green (21%)
- Blue (21%)



- Red (71%)
- Yellow (21%)
- Blue (21%)



- Cyan (0%)
- Magenta (70%)
- Yellow (70%)
- Black (29%)





- Cyan (29%)
- Magenta (79%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8074, 12.6080, 4.8269 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 20.8074, 12.6080, 4.8269 by changing the saturation by 10% instead.

 20.8074, 12.6080,
4.8269


 20.8074, 12.6080,
4.8269


249.0043,
208.3899, 157.0153


 13.0949, 7.1592,
2.0891


 44.2605, 30.5977,
15.8759

 7.5714, 3.5618,
0.6093


 60.7318, 43.9074,
25.0242

 3.8714, 1.4316,
0.0000

 80.8535, 60.6062,
37.1465

 1.6297, 0.2399,
0.0000

 104.9908, 81.0784,
52.6611

 0.4116, 0.0000,
0.0000

 133.5092,
105.7085, 71.9868

 0.0000, 0.0000,
0.0000

 166.7740,

134.8808, 95.5420

205.1506,
168.9798, 123.7453

■ 20.8074, 12.6080,
4.8269

■ 20.8074, 12.6080,
4.8269

■ 19.7719, 11.0930,
2.7682

■ 22.3098, 14.8068,
7.8131

■ 19.1479, 10.1799,
1.5280

■ 24.3244, 17.7548,
11.8179

■ 18.8224, 9.7035,
0.8809

■ 26.8921, 21.5121,
16.9223

■ 18.8224, 9.7035,
0.8809

■ 30.0495, 26.1322,
23.1989

■ 33.8299, 31.6641,
30.7143

■ 38.2643, 38.1529,
39.5298

■ 43.3817, 45.6409,
49.7030

■ 49.2090, 54.1679,
61.2878

■ 55.7720, 63.7714,
74.3351

Harmonies

Analogous

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



22.5022, 12.6080, 13.6306



20.8074, 12.6080, 4.8269



16.6578, 12.6080, 1.6431

Triad

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



20.8074, 12.6080, 4.8269



6.0697, 12.6080, 4.9116



12.0176, 12.6080, 54.5884

Complementary

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



20.8074, 12.6080, 4.8269



26.0789, 36.7183, 48.8925

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.



8.2773, 12.6080, 47.0008



20.8074, 12.6080, 4.8269



5.3922, 12.6080, 13.8258

Square

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



20.8074, 12.6080, 4.8269



8.2313, 12.6080, 1.6669



6.0914, 12.6080, 29.7578



16.7314, 12.6080, 46.7795

Rectangle

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



20.8074, 12.6080, 4.8269



13.4662, 12.6080, 1.0478



6.0914, 12.6080, 29.7578



10.6138, 12.6080, 53.7181

Sweetspot

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



20.8077, 12.6087, 4.8271



60.3409, 55.9503, 53.7032



28.3796, 15.6368, 44.7021



12.6248, 11.4826, 10.7781



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.



20.8077, 12.6087, 4.8271



35.1502, 19.0887, 3.6266



25.8494, 22.6921, 6.5077



8.4964, 8.5054, 8.8464



13.1370, 6.7725, 0.6148



0.4134, 0.2131, 0.0194

Inverse Universe

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



26.0789, 36.7183, 48.8925



45.3100, 65.5584, 88.5606



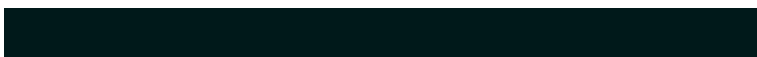
16.1208, 16.8021, 45.5732



8.7426, 9.6315, 10.9046



17.1393, 25.0789, 34.0744



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 20.8074, 12.6080, 4.8269 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 20.8074, 12.6080, 4.8269

Background



This preview shows how black text looks on a background with the XYZ color 20.8074, 12.6080, 4.8269.

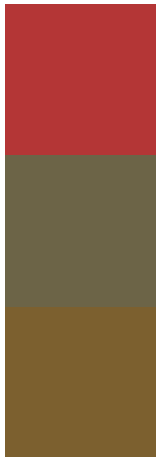


This preview shows how white text looks on a background with the XYZ color 20.8074, 12.6080,

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

20.8074, 12.6080, 4.8269

Protanopia

11.8788, 12.7574, 7.7976

Deuteranopia

13.0081, 12.8561, 4.4852



Tritanopia

20.8554, 12.6272, 5.0795

Trichromacy



Original Color

20.8074, 12.6080, 4.8269

Protanomaly

13.8789, 11.6365, 6.5156

Deuteranomaly

15.0198, 12.0444, 4.5508

Tritanomaly

20.8311, 12.6175, 4.9519

Monochromacy



Original Color

20.8074, 12.6080, 4.8269

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.4117, 10.2839, 8.5386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8074, 12.6080, 4.8269 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(180, 54, 54)` looks like.

```
.text, #text, p{  
  color:rgb(180, 54, 54)  
}
```

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(180, 54, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 54, 54) }
```

Border

The CSS property to change the border of an element to XYZ 20.8074, 12.6080, 4.8269 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(180, 54, 54) }
```


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

```
.border{ border-color:rgb(180, 54, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 54, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 54, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 54, 54);  
box-shadow:4px 4px 4px 4px rgb(180, 54,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8074, 12.6080, 4.8269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 54, 54) }
```

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

```
.background{ background-color: rgb(180, 54,  
54) }
```

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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