

Converting Colors

XYZ(20.8580, 11.9198, 6.8641)

Have a look what the booklet for
XYZ(20.8580, 11.9198, 6.8641)
contains.

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Color

**XYZ(20.7604, 11.8607,
6.8254)**

Conversions

Conversions Part 1

Format	Color
Hex	B42B45
RGB	180, 43, 69
RGB Percent	71%, 17%, 27%
CMY	0.2941, 0.8313, 0.7294
CMYK	0.00, 0.76, 0.62, 0.29
HSL	349°, 61%, 44%
HSV	349°, 76%, 71%
XYZ	20.7604, 11.8607, 6.8254
YIQ	86.9270, 73.3060, 37.1300

Conversions

Conversions Part 2

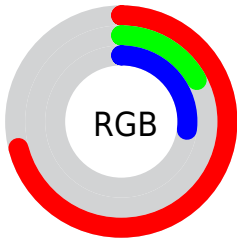
Format	Color
R _Y B	180, 43, 69
Decimal	11807557
CIE Lab	40.99, 55.45, 18.82
CIE LCh	41, 58.560, 18.743
Yxy	11.8607, 0.5263, 0.3007
Android (android.graphics.Color)	4289997637 (0xFFB42B45)
YUV	86.9270, -8.8380, 81.6250
Hunter-Lab	34.4394, 47.3327, 12.3571

Details

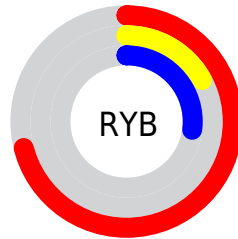
The XYZ color **20.7604, 11.8607, 6.8254** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **23.1513, 35.4895, 36.2057**, and the grayscale version is **9.0516, 9.5230, 10.3706**.

A 20% lighter version of the original color is **44.0437, 29.0995, 20.1250**, and **7.9436, 4.0722, 1.4043** is the 20% darker color. If you saturate the color by 10%, you get **19.8458, 10.6692, 4.5548**, and if you desaturate by 10%, it is **22.0756, 13.6754, 9.7787**.

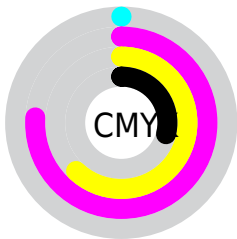
Distribution



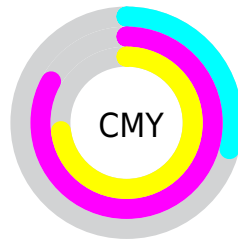
- Red (71%)
- Green (17%)
- Blue (27%)



- Red (71%)
- Yellow (17%)
- Blue (27%)



- Cyan (0%)
- Magenta (76%)
- Yellow (62%)
- Black (29%)





- Cyan (29%)
- Magenta (83%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7604, 11.8607, 6.8254 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 20.7604, 11.8607, 6.8254 by changing the saturation by 10% instead.

 20.7604, 11.8607,
6.8254


 20.7604, 11.8607,
6.8254


248.7583,
203.4809, 175.7804


 13.0604, 6.6489,
3.2764


 44.1827, 29.2411,
20.1279


 7.5475, 3.2435,
1.2374


 60.6358, 42.1786,
30.7185


 3.8561, 1.2601,
0.0097

 80.7373, 58.4600,
44.4934

 1.6211, 0.1100,
0.0000

 104.8525, 78.4698,
61.8710

 0.4061, 0.0000,
0.0000

 133.3469,
102.5924, 83.2700

 0.0000, 0.0000,
0.0000

 166.5857,

131.2122, 109.1089

204.9344,
164.7136, 139.8062

■ 20.7604, 11.8607,
6.8254

■ 20.7604, 11.8607,
6.8254

■ 19.8458, 10.6692,
4.5548

■ 22.0756, 13.6754,
9.7787

■ 19.2785, 10.0075,
2.9080

■ 23.8316, 16.1817,
13.4648

■ 19.1131, 9.8196,
2.4128

■ 26.0647, 19.4412,
17.9294

■ 28.8071, 23.5082,
23.2143

■ 32.0880, 28.4317,
29.3583

■ 35.9345, 34.2572,
36.3977

■ 40.3718, 41.0267,
44.3666

■ 45.4235, 48.7796,
53.2973

■ 51.1122, 57.5530,
63.2208

Harmonies

Analogous

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



21.1724, 11.8607, 17.9659



20.7604, 11.8607, 6.8254



17.4689, 11.8607, 2.1721

Triad

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



20.7604, 11.8607, 6.8254



6.2339, 11.8607, 2.8885



9.7716, 11.8607, 51.3715

Complementary

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



20.7604, 11.8607, 6.8254



23.1513, 35.4895, 36.2057

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.



6.7489, 11.8607, 39.2081



20.7604, 11.8607, 6.8254



5.0710, 11.8607, 8.9113

Square

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



20.7604, 11.8607, 6.8254



8.8761, 11.8607, 1.0679



5.2327, 11.8607, 21.8444



14.0672, 11.8607, 49.4375

Rectangle

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



20.7604, 11.8607, 6.8254



14.4559, 11.8607, 1.1350



5.2327, 11.8607, 21.8444



8.5958, 11.8607, 48.5946

Sweetspot

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



20.7607, 11.8614, 6.8256



59.9709, 54.2528, 56.5316



22.1642, 11.7574, 44.2809



12.4572, 10.9643, 11.2867



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.



20.7607, 11.8614, 6.8256



35.2583, 18.4783, 6.2110



22.4371, 16.2350, 4.2376



8.5601, 8.5307, 9.1817



13.3590, 6.8612, 1.7845



0.4398, 0.2237, 0.1589

Inverse Universe

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



20.7607, 11.8614, 6.8256



35.2583, 18.4783, 6.2110



18.4534, 22.2461, 46.5010



8.5601, 8.5307, 9.1817



13.3590, 6.8612, 1.7845



0.4398, 0.2237, 0.1589

Previews

White Background



This preview shows how the XYZ color 20.7604, 11.8607, 6.8254 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 20.7604, 11.8607, 6.8254 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 20.7604, 11.8607, 6.8254

Background



This preview shows how black text looks on a background with the XYZ color 20.7604, 11.8607, 6.8254.



This preview shows how white text looks on a background with the XYZ color 20.7604, 11.8607,

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

20.7604, 11.8607, 6.8254

Protanopia

11.6173, 12.1064, 12.0804

Deuteranopia

12.2551, 12.0281, 6.2332



Tritanopia

20.1613, 11.8385, 4.1282

Trichromacy



Original Color

20.7604, 11.8607, 6.8254

Protanomaly

13.4600, 10.6937, 9.7422

Deuteranomaly

14.4547, 11.0765, 6.3772

Tritanomaly

20.2812, 11.8232, 4.9546

Monochromacy



Original Color

20.7604, 11.8607, 6.8254

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.5864, 9.1506, 8.7450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7604, 11.8607, 6.8254 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, 43, 69)` looks like.

```
.text, #text, p{  
    color:rgb(180, 43, 69)  
}
```

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, 43, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 43, 69) }
```

Border

The CSS property to change the border of an element to XYZ 20.7604, 11.8607, 6.8254 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, 43, 69) }
```


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

```
.border{ border-color:rgb(180, 43, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 43, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 43, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 43, 69);  
box-shadow:4px 4px 4px 4px rgb(180, 43,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7604, 11.8607, 6.8254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 43, 69) }
```

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

```
.background{ background-color: rgb(180, 43,  
69) }
```

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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