

Converting Colors

XYZ(20.8765, 11.0356, 6.7257)

Have a look what the booklet for
XYZ(20.8765, 11.0356, 6.7257)
contains.

XYZ(20.8708, 11.0333, 6.6598)	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(20.8708, 11.0333,
6.6598)**

Conversions

Conversions Part 1

Format	Color
Hex	B71545
RGB	183, 21, 69
RGB Percent	72%, 8%, 27%
CMY	0.2824, 0.9176, 0.7294
CMYK	0.00, 0.89, 0.62, 0.28
HSL	342°, 79%, 40%
HSV	342°, 89%, 72%
XYZ	20.8708, 11.0333, 6.6598
YIQ	74.9100, 81.1440, 49.2720

Conversions

Conversions Part 2

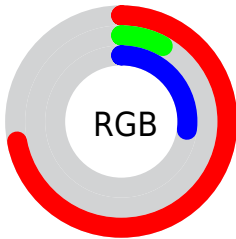
Format	Color
R_{YB}	183, 21, 69
Decimal	11998533
CIE _{Lab}	39.64, 61.84, 17.12
CIE _{LCh}	40, 64.165, 15.479
Yxy	11.0333, 0.5412, 0.2861
Android (android.graphics.Color)	4290188613 (0xFFB71545)
YUV	74.9100, -2.9136, 94.7949
Hunter-Lab	33.2164, 54.0278, 11.3640

Details

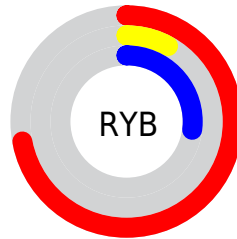
The XYZ color **20.8708, 11.0333, 6.6598** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **21.6177, 35.7763, 28.6951**, and the grayscale version is **6.6682, 7.0155, 7.6399**.

A 20% lighter version of the original color is **44.3568, 27.6763, 19.8338**, and **8.2239, 4.2167, 1.4174** is the 20% darker color. If you saturate the color by 10%, you get **20.2746, 10.4130, 4.6982**, and if you desaturate by 10%, it is **21.7828, 12.1467, 9.1551**.

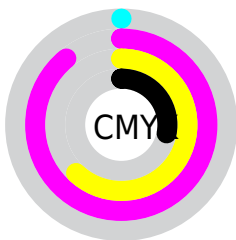
Distribution



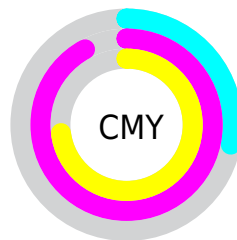
- Red (72%)
- Green (8%)
- Blue (27%)



- Red (72%)
- Yellow (8%)
- Blue (27%)



- Cyan (0%)
- Magenta (89%)
- Yellow (62%)
- Black (28%)





- Cyan (28%)
- Magenta (92%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8708, 11.0333, 6.6598 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 20.8708, 11.0333, 6.6598 by changing the saturation by 10% instead.


 20.8708, 11.0333,
6.6598


 20.8708, 11.0333,
6.6598


249.3358,
197.8959, 174.3284


 13.1415, 6.0892,
3.1751


 44.3653, 27.7217,
19.7866


 7.6037, 2.8994,
1.1847


 60.8612, 40.2349,
30.2657


 3.8921, 1.0794,
0.0000

 81.0101, 56.0399,
43.9133

 1.6413, 0.0000,
0.0000

 105.1773, 75.5211,
61.1480

 0.4191, 0.0000,
0.0000

 133.7280, 99.0629,
82.3883

 0.0000, 0.0000,
0.0000

 167.0278,

127.0497, 108.0528

205.4420,
159.8659, 138.5600

■ 20.8708, 11.0333,
6.6598

■ 20.8708, 11.0333,
6.6598

■ 20.2746, 10.4130,
4.6982

■ 21.7828, 12.1467,
9.1551

■ 20.1991, 10.3355,
4.4458

■ 23.0769, 13.8770,
12.2313

■ 24.7948, 16.3001,
15.9259

■ 26.9723, 19.4805,
20.2729

■ 29.6411, 23.4751,
25.3031

■ 32.8303, 28.3354,
31.0457

■ 36.5662, 34.1086,
37.5280

■ 40.8738, 40.8386,
44.7755

■ 45.7761, 48.5662,
52.8129

Harmonies

Analogous

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



20.9284, 11.0333, 19.1287



20.8708, 11.0333, 6.6598



17.5656, 11.0333, 1.7193

Triad

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



20.8708, 11.0333, 6.6598



5.5573, 11.0333, 1.7984



8.5146, 11.0333, 53.7245

Complementary

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



20.8708, 11.0333, 6.6598



21.6177, 35.7763, 28.6951

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.



5.6226, 11.0333, 38.7025



20.8708, 11.0333, 6.6598



4.2665, 11.0333, 6.9258

Square

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



20.8708, 11.0333, 6.6598



8.3969, 11.0333, 0.4545



4.2865, 11.0333, 19.6641



12.8975, 11.0333, 53.4420

Rectangle

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



20.8708, 11.0333, 6.6598



14.3827, 11.0333, 0.6964



4.2865, 11.0333, 19.6641



7.3668, 11.0333, 50.0023

Sweetspot

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



20.8711, 11.0340, 6.6600



59.4656, 51.7729, 56.7781



18.7121, 9.0577, 45.5616



12.6740, 10.7293, 11.7260



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.8711, 11.0340, 6.6600



36.0884, 18.4757, 7.4993



20.9560, 12.7057, 2.0584



9.1111, 9.0548, 9.9327



14.1180, 7.2210, 3.2423



0.5258, 0.2658, 0.2622

Inverse Universe

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



20.8711, 11.0340, 6.6600



36.0884, 18.4757, 7.4993



19.8598, 25.5844, 48.6911



9.1111, 9.0548, 9.9327



14.1180, 7.2210, 3.2423



0.5258, 0.2658, 0.2622

Previews

White Background



This preview shows how the XYZ color 20.8708, 11.0333, 6.6598 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

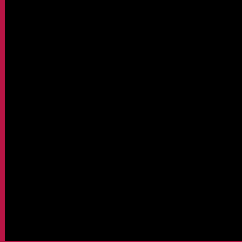
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8708, 11.0333, 6.6598

Background



This preview shows how black text looks on a background with the XYZ color 20.8708, 11.0333, 6.6598.



This preview shows how white text looks on a background with the XYZ color 20.8708, 11.0333,

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

20.8708, 11.0333, 6.6598

Protanopia

10.9741, 11.3392, 13.4147

Deuteranopia

11.5228, 11.3965, 6.0073



Tritanopia

20.0960, 11.1371, 2.4570

Trichromacy



Original Color

20.8708, 11.0333, 6.6598

Protanomaly

12.5210, 9.2309, 10.3543

Deuteranomaly

13.5211, 9.7556, 6.0209

Tritanomaly

20.2044, 11.0133, 3.5435

Monochromacy



Original Color

20.8708, 11.0333, 6.6598

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

9.5082, 6.7908, 7.1130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8708, 11.0333, 6.6598 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(183, 21, 69)` looks like.

```
.text, #text, p{  
    color:rgb(183, 21, 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(183, 21, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 21, 69) }
```

Border

The CSS property to change the border of an element to XYZ 20.8708, 11.0333, 6.6598 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(183, 21, 69) }
```


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

```
.border{ border-color:rgb(183, 21, 69) }
```

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

Here you see how a box with a 4 pixel rgb(183, 21, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 21, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 21, 69);  
box-shadow:4px 4px 4px 4px rgb(183, 21,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8708, 11.0333, 6.6598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 21, 69) }
```

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

```
.background{ background-color: rgb(183, 21,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor