

Converting Colors

XYZ(20.7457, 11.1891, 17.8332)

Have a look what the booklet for
XYZ(20.7457, 11.1891, 17.8332)
contains.

XYZ(20.7962, 11.1991, 17.8952)	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(20.7962, 11.1991,
17.8952)**

Conversions

Conversions Part 1

Format	Color
Hex	AC2275
RGB	172, 34, 117
RGB Percent	67%, 13%, 46%
CMY	0.3255, 0.8666, 0.5412
CMYK	0.00, 0.80, 0.32, 0.33
HSL	324°, 67%, 40%
HSV	324°, 80%, 67%
XYZ	20.7962, 11.1991, 17.8952
YIQ	84.7240, 55.6050, 55.0690

Conversions

Conversions Part 2

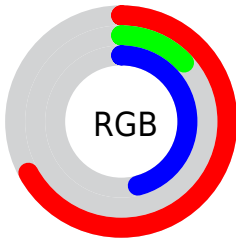
Format	Color
R_{YB}	172, 34, 117
Decimal	11281013
CIE _{Lab}	39.91, 60.28, -13.15
CIE _{LCh}	40, 61.700, 347.695
Yxy	11.1991, 0.4168, 0.2245
Android (android.graphics.Color)	4289471093 (0xFFAC2275)
YUV	84.7240, 15.9121, 76.5411
Hunter-Lab	33.4651, 52.3615, -8.2794

Details

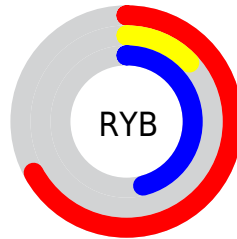
The XYZ color **20.7962, 11.1991, 17.8952** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.2162, 30.5668, 14.4461**, and the grayscale version is **8.5378, 8.9824, 9.7819**.

A 20% lighter version of the original color is **44.2086, 28.0379, 40.6179**, and **8.1444, 4.0745, 5.9874** is the 20% darker color. If you saturate the color by 10%, you get **20.0332, 10.2947, 15.7244**, and if you desaturate by 10%, it is **21.8353, 12.6084, 20.3039**.

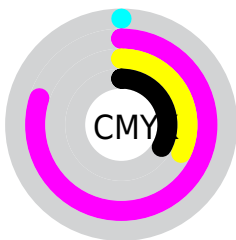
Distribution



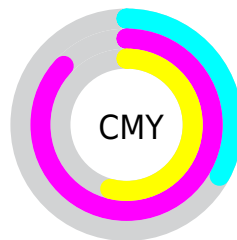
- Red (67%)
- Green (13%)
- Blue (46%)



- Red (67%)
- Yellow (13%)
- Blue (46%)



- Cyan (0%)
- Magenta (80%)
- Yellow (32%)
- Black (33%)





- Cyan (33%)
- Magenta (87%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7962, 11.1991, 17.8952 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 20.7962, 11.1991, 17.8952 by changing the saturation by 10% instead.


 20.7962, 11.1991,
17.8952


 20.7962, 11.1991,
17.8952


248.9457,
199.0284, 252.4959


 13.0867, 6.2009,
10.7061


 44.2419, 28.0278,
40.6702

 7.5657, 2.9676,
5.7579


 60.7089, 40.6270,
57.0932


 3.8678, 1.1149,
2.6320

 80.8258, 56.5287,
77.4312

 1.6276, 0.0000,
0.9089

 104.9579, 76.1174,
102.1028

 0.4103, 0.0000,
0.0000

 133.4705, 99.7772,
131.5266

 0.0000, 0.0000,
0.0000

 166.7292,

127.8928, 166.1210

205.0991,
160.8484, 206.3046

■ 20.7962, 11.1991,
17.8952

■ 20.7962, 11.1991,
17.8952

■ 20.0332, 10.2947,
15.7244

■ 21.8353, 12.6084,
20.3039

■ 19.4839, 9.7589,
13.8060

■ 23.1826, 14.5857,
22.9638

■ 24.8662, 17.1867,
25.8875

■ 26.9112, 20.4601,
29.0861

■ 29.3396, 24.4496,
32.5697

■ 32.1720, 29.1952,
36.3478

■ 35.4274, 34.7340,
40.4294

■ 39.1234, 41.1004,
44.8229

■ 43.2767, 48.3271,
49.5364

Harmonies

Analogous

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



17.9075, 11.1991, 35.7162



20.7962, 11.1991, 17.8952



20.4868, 11.1991, 6.3722

Triad

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



20.7962, 11.1991, 17.8952



8.3479, 11.1991, 0.7016



6.0356, 11.1991, 38.9990

Complementary

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



20.7962, 11.1991, 17.8952



17.2162, 30.5668, 14.4461

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.



4.6011, 11.1991, 20.7844



20.7962, 11.1991, 17.8952



5.6708, 11.1991, 2.2489

Square

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



20.7962, 11.1991, 17.8952



12.4835, 11.1991, 0.5967



4.4883, 11.1991, 7.8538



8.9955, 11.1991, 52.3550

Rectangle

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



20.7962, 11.1991, 17.8952



18.5121, 11.1991, 2.7495



4.4883, 11.1991, 7.8538



5.3975, 11.1991, 32.8434

Sweetspot

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



20.7965, 11.1997, 17.8954



56.1132, 49.1738, 62.9927



11.9405, 6.1450, 39.5866



11.8147, 10.0511, 13.1797



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.7965, 11.1997, 17.8954



35.5884, 17.9567, 25.8391



18.1637, 10.1466, 4.0312



8.1998, 8.0932, 9.3631



14.5268, 7.2733, 10.4194



0.4301, 0.2127, 0.4269

Inverse Universe

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



20.7965, 11.1997, 17.8954



35.5884, 17.9567, 25.8391



21.4050, 32.2423, 36.5040



8.1998, 8.0932, 9.3631



14.5268, 7.2733, 10.4194



0.4301, 0.2127, 0.4269

Previews

White Background



This preview shows how the XYZ color 20.7962, 11.1991, 17.8952 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 20.7962, 11.1991, 17.8952

Background



This preview shows how black text looks on a background with the XYZ color 20.7962, 11.1991, 17.8952.



This preview shows how white text looks on a background with the XYZ color 20.7962, 11.1991,

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

20.7962, 11.1991, 17.8952

Protanopia

12.5563, 11.5608, 34.3706

Deuteranopia

11.7658, 11.5512, 16.3613



Tritanopia

18.2061, 11.2586, 5.0844

Trichromacy



Original Color

20.7962, 11.1991, 17.8952

Protanomaly

13.2953, 9.7125, 27.5595

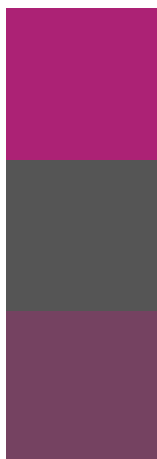
Deuteranomaly

13.7554, 10.1870, 16.8641

Tritanomaly

18.7900, 11.0326, 8.5363

Monochromacy



Original Color

20.7962, 11.1991, 17.8952

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.4420, 8.5414, 12.3549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7962, 11.1991, 17.8952 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(172, 34, 117)` looks like.

```
.text, #text, p{  
    color:rgb(172, 34, 117)  
}
```

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(172, 34, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 34, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.7962, 11.1991, 17.8952 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(172, 34, 117) }
```


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

```
.border{ border-color:rgb(172, 34, 117) }
```

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

Here you see how a box with a 4 pixel rgb(172, 34, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 34, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 34, 117);  
box-shadow:4px 4px 4px 4px rgb(172, 34,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7962, 11.1991, 17.8952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 34, 117) }
```

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

```
.background{ background-color: rgb(172, 34,  
117) }
```

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