

Converting Colors

XYZ(20.8771, 11.1281, 17.6954)

Have a look what the booklet for
XYZ(20.8771, 11.1281, 17.6954)
contains.

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Color

**XYZ(20.8760, 11.1252,
17.5701)**

Conversions

Conversions Part 1

Format	Color
Hex	AD1F74
RGB	173, 31, 116
RGB Percent	68%, 12%, 45%
CMY	0.3216, 0.8784, 0.5451
CMYK	0.00, 0.82, 0.33, 0.32
HSL	324°, 70%, 40%
HSV	324°, 82%, 68%
XYZ	20.8760, 11.1252, 17.5701
YIQ	83.1480, 57.3470, 56.5390

Conversions

Conversions Part 2

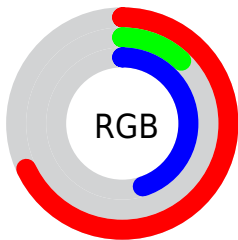
Format	Color
RYB	173, 31, 116
Decimal	11345780
CIELab	39.79, 61.20, -12.69
CIELCh	40, 62.501, 348.281
Yxy	11.1252, 0.4211, 0.2244
Android (android.graphics.Color)	4289535860 (0xFFAD1F74)
YUV	83.1480, 16.1960, 78.8002
Hunter-Lab	33.3545, 53.3499, -7.8840

Details

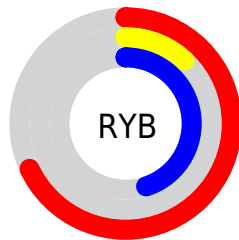
The XYZ color **20.8760, 11.1252, 17.5701** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.2710, 30.8835, 14.2859**, and the grayscale version is **8.2131, 8.6408, 9.4099**.

A 20% lighter version of the original color is **44.2609, 27.8117, 40.0812**, and **8.2458, 4.1304, 5.8315** is the 20% darker color. If you saturate the color by 10%, you get **20.1501, 10.2960, 15.4089**, and if you desaturate by 10%, it is **21.8751, 12.4524, 19.9715**.

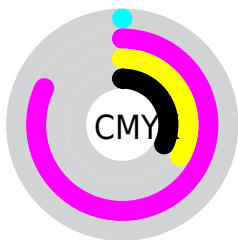
Distribution



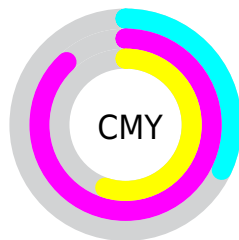
- Red (68%)
- Green (12%)
- Blue (45%)



- Red (68%)
- Yellow (12%)
- Blue (45%)



- Cyan (0%)
- Magenta (82%)
- Yellow (33%)
- Black (32%)



- Cyan (32%)
- Magenta (88%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8760, 11.1252, 17.5701 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 20.8760, 11.1252, 17.5701 by changing the saturation by 10% instead.

■ 20.8760, 11.1252,
17.5701

■ 20.8760, 11.1252,
17.5701

249.3630,
198.5245, 250.5908

■ 13.1453, 6.1511,
10.4755

■ 44.3739, 27.8915,
40.1074

■ 7.6064, 2.9372,
5.6057

■ 60.8719, 40.4524,
56.3872

■ 3.8938, 1.0990,
2.5419

■ 81.0230, 56.3111,
76.5659

■ 1.6422, 0.0000,
0.8623

■ 105.1925, 75.8519,
101.0620

■ 0.4197, 0.0000,
0.0000

■ 133.7460, 99.4593,
130.2940

■ 0.0000, 0.0000,
0.0000

■ 167.0486,

127.5176, 164.6804

205.4658,
160.4112, 204.6398

■ 20.8760, 11.1252,
17.5701

■ 20.8760, 11.1252,
17.5701

■ 20.1501, 10.2960,
15.4089

■ 21.8751, 12.4524,
19.9715

■ 19.7096, 9.8746,
13.8446

■ 23.1811, 14.3442,
22.6274

■ 24.8237, 16.8587,
25.5506

■ 26.8284, 20.0462,
28.7528

■ 29.2183, 23.9519,
32.2444

■ 32.0145, 28.6170,
36.0352

■ 35.2365, 34.0796,
40.1346

■ 38.9025, 40.3753,
44.5512

■ 43.0295, 47.5374,
49.2934

Harmonies

Analogous

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



17.9995, 11.1252, 35.6011



20.8760, 11.1252, 17.5701



20.4939, 11.1252, 6.1136

Triad

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



20.8760, 11.1252, 17.5701



8.1930, 11.1252, 0.6472



5.9817, 11.1252, 39.6686

Complementary

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



20.8760, 11.1252, 17.5701



17.2710, 30.8835, 14.2859

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.



4.5185, 11.1252, 21.1326



20.8760, 11.1252, 17.5701



5.5367, 11.1252, 2.2151

Square

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



20.8760, 11.1252, 17.5701



12.3387, 11.1252, 0.5178



4.3813, 11.1252, 7.9226



8.9864, 11.1252, 53.0635

Rectangle

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



20.8760, 11.1252, 17.5701



18.4565, 11.1252, 2.5833



4.3813, 11.1252, 7.9226



5.3327, 11.1252, 33.4210

Sweetspot

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



20.8763, 11.1258, 17.5703



55.5691, 48.2860, 62.1935



12.0394, 6.0630, 40.0710



11.7077, 9.8786, 13.0159



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.



20.8763, 11.1258, 17.5703



35.3657, 17.7897, 24.9065



18.2016, 10.0559, 3.4856



8.1989, 8.0928, 9.3581



14.5084, 7.2659, 10.3226



0.4297, 0.2126, 0.4245

Inverse Universe

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



20.8763, 11.1258, 17.5703



35.3657, 17.7897, 24.9065



21.7498, 32.6750, 37.8712



8.1989, 8.0928, 9.3581



14.5084, 7.2659, 10.3226



0.4297, 0.2126, 0.4245

Previews

White Background



This preview shows how the XYZ color 20.8760, 11.1252, 17.5701 looks on a white background.

Color Contrast Check

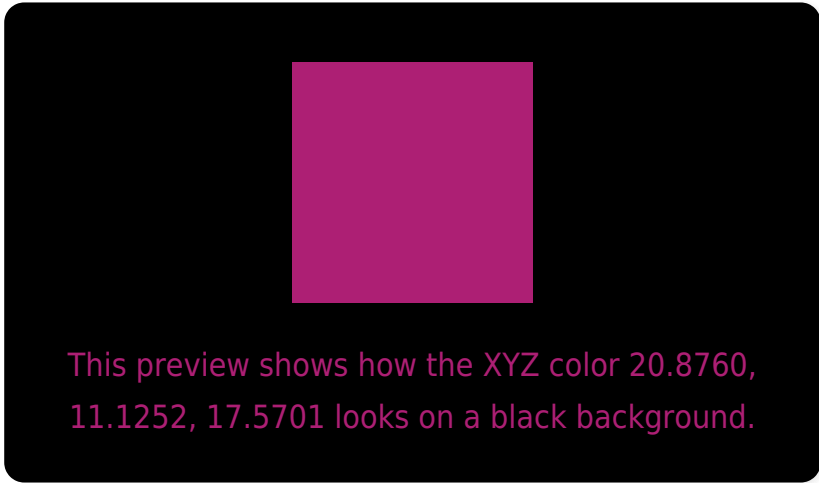
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8760, 11.1252, 17.5701

Background



This preview shows how black text looks on a background with the XYZ color 20.8760, 11.1252, 17.5701.



This preview shows how white text looks on a background with the XYZ color 20.8760, 11.1252,

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

20.8760, 11.1252, 17.5701

Protanopia

12.5563, 11.5608, 34.3706

Deuteranopia

11.7117, 11.5295, 16.0761



Tritanopia

18.3249, 11.2571, 4.8214

Trichromacy



Original Color

20.8760, 11.1252, 17.5701

Protanomaly

13.0919, 9.4277, 27.1163

Deuteranomaly

13.5722, 9.9101, 16.5267

Tritanomaly

18.8555, 10.9586, 8.1426

Monochromacy



Original Color

20.8760, 11.1252, 17.5701

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

11.1014, 8.2060, 11.8253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8760, 11.1252, 17.5701 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(173, 31, 116)` looks like.

```
.text, #text, p{  
    color:rgb(173, 31, 116)  
}
```

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(173, 31, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 31, 116) }
```

Border

The CSS property to change the border of an element to XYZ 20.8760, 11.1252, 17.5701 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(173, 31, 116) }
```


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

```
.border{ border-color:rgb(173, 31, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 31, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 31, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 31, 116);  
box-shadow:4px 4px 4px 4px rgb(173, 31,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8760, 11.1252, 17.5701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 31, 116) }
```

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

```
.background{ background-color: rgb(173, 31,  
116) }
```

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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