

Converting Colors

XYZ(20.6264, 9.9685, 17.6541)

Have a look what the booklet for
XYZ(20.6264, 9.9685, 17.6541)
contains.

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Color

**XYZ(20.8901, 10.3983,
17.7357)**

Conversions

Conversions Part 1

Format	Color
Hex	AF0075
RGB	175, 0, 117
RGB Percent	69%, 0%, 46%
CMY	0.3137, 0.9999, 0.5412
CMYK	0.00, 1.00, 0.33, 0.31
HSL	320°, 100%, 34%
HSV	320°, 100%, 69%
XYZ	20.8901, 10.3983, 17.7357
YIQ	65.6630, 66.7430, 73.4870

Conversions

Conversions Part 2

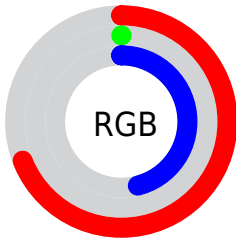
Format	Color
R_{YB}	175, 0, 117
Decimal	11468917
CIE _{Lab}	38.55, 66.62, -15.18
CIE _{LCh}	39, 68.329, 347.166
Yxy	10.3983, 0.4261, 0.2121
Android (android.graphics.Color)	4289658997 (0xFFAF0075)
YUV	65.6630, 25.3091, 95.8885
Hunter-Lab	32.2464, 59.2060, -10.0374

Details

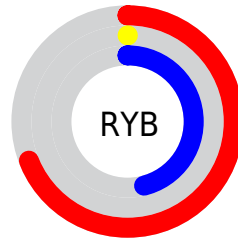
The XYZ color **20.8901, 10.3983, 17.7357** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **16.0947, 30.9659, 9.1350**, and the grayscale version is **5.0833, 5.3480, 5.8240**.

A 20% lighter version of the original color is **44.4397, 26.5613, 40.3207**, and **8.4103, 4.2116, 5.9999** is the 20% darker color. If you saturate the color by 10%, you get **20.8897, 10.3982, 17.7333**, and if you desaturate by 10%, it is **21.4506, 10.9564, 19.6579**.

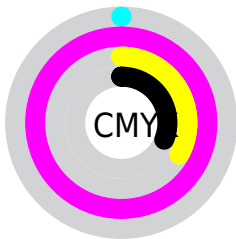
Distribution



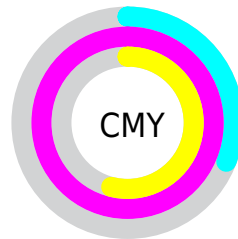
- Red (69%)
- Green (0%)
- Blue (46%)



- Red (69%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8901, 10.3983, 17.7357 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 20.8901, 10.3983, 17.7357 by changing the saturation by 10% instead.

■ 20.8901, 10.3983,
17.7357

■ 20.8901, 10.3983,
17.7357

249.4366,
193.4916, 251.5630

■ 13.1557, 5.6638,
10.5929

■ 44.3972, 26.5420,
40.3943

■ 7.6136, 2.6418,
5.6831

■ 60.9006, 38.7201,
56.7472

■ 3.8984, 0.9477,
2.5877

■ 81.0578, 54.1481,
77.0072

■ 1.6448, 0.0000,
0.8861

■ 105.2340, 73.2105,
101.5929

■ 0.4214, 0.0000,
0.0000

■ 133.7946, 96.2916,
130.9227

■ 0.0000, 0.0000,
0.0000

■ 167.1050,

123.7759, 165.4153

205.5306,
156.0478, 205.4892

■ 20.8901, 10.3983,
17.7357

■ 20.8901, 10.3983,
17.7357

■ 20.8897, 10.3982,
17.7333

■ 21.4506, 10.9564,
19.6579

■ 22.2170, 11.8919,
21.7548

■ 23.2620, 13.3496,
24.0525

■ 24.6196, 15.3968,
26.5640

■ 26.3187, 18.0911,
29.3007

■ 28.3849, 21.4828,
32.2727

■ 30.8411, 25.6173,
35.4893

■ 33.7083, 30.5363,
38.9592

■ 37.0061, 36.2783,
42.6903

Harmonies

Analogous

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



17.6444, 10.3983, 37.7515



20.8901, 10.3983, 17.7357



20.6137, 10.3983, 5.4888

Triad

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



20.8901, 10.3983, 17.7357



7.5520, 10.3983, 0.0822



5.1063, 10.3983, 40.7727

Complementary

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



20.8901, 10.3983, 17.7357



16.0947, 30.9659, 9.1350

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.



3.7249, 10.3983, 20.2788



20.8901, 10.3983, 17.7357



4.8154, 10.3983, 1.4672

Square

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



20.8901, 10.3983, 17.7357



11.9235, 10.3983, 0.0000



3.6376, 10.3983, 6.6775



8.0902, 10.3983, 56.4521

Rectangle

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



20.8901, 10.3983, 17.7357



18.4627, 10.3983, 1.9998



3.6376, 10.3983, 6.6775



4.4842, 10.3983, 33.7313

Sweetspot

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



20.8904, 10.3989, 17.7359



54.9826, 45.4506, 63.2419



9.3376, 3.9202, 40.8221



11.8007, 9.3917, 13.5173



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.8904, 10.3989, 17.7359



37.3075, 18.5807, 31.2066



17.9416, 9.2194, 2.2078



8.2225, 8.1022, 9.4824



14.9891, 7.4582, 12.8538



0.4409, 0.2170, 0.4835

Inverse Universe

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



20.8904, 10.3989, 17.7359



37.3075, 18.5807, 31.2066



20.2823, 32.6410, 31.1867



8.2225, 8.1022, 9.4824



14.9891, 7.4582, 12.8538



0.4409, 0.2170, 0.4835

Previews

White Background



This preview shows how the XYZ color 20.8901, 10.3983, 17.7357 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 20.8901, 10.3983, 17.7357

Background



This preview shows how black text looks on a background with the XYZ color 20.8901, 10.3983, 17.7357.



This preview shows how white text looks on a background with the XYZ color 20.8901, 10.3983,

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

20.8901, 10.3983, 17.7357

Protanopia

12.4035, 11.1420, 38.0561

Deuteranopia

11.2207, 11.0192, 16.0035



Tritanopia

18.0881, 10.7134, 3.9109

Trichromacy



Original Color

20.8901, 10.3983, 17.7357

Protanomaly

12.1934, 7.9054, 29.3170

Deuteranomaly

12.7499, 8.4811, 16.2942

Tritanomaly

18.6552, 10.1304, 7.2755

Monochromacy



Original Color

20.8901, 10.3983, 17.7357

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.4115, 5.3760, 9.1887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8901, 10.3983, 17.7357 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(175, 0, 117)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 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(175, 0, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.8901, 10.3983, 17.7357 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(175, 0, 117) }
```


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

```
.border{ border-color:rgb(175, 0, 117) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8901, 10.3983, 17.7357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 117) }
```

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

```
.background{ background-color: rgb(175, 0,  
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](#).

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