

Converting Colors

XYZ(20.7137, 11.5947, 16.9529)

Have a look what the booklet for
XYZ(20.7137, 11.5947, 16.9529)
contains.

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Color

**XYZ(20.6957, 11.6006,
17.0679)**

Conversions

Conversions Part 1

Format	Color
Hex	AB2B72
RGB	171, 43, 114
RGB Percent	67%, 17%, 45%
CMY	0.3294, 0.8313, 0.5529
CMYK	0.00, 0.75, 0.33, 0.33
HSL	327°, 60%, 42%
HSV	327°, 75%, 67%
XYZ	20.6957, 11.6006, 17.0679
YIQ	89.3660, 53.4970, 49.2170

Conversions

Conversions Part 2

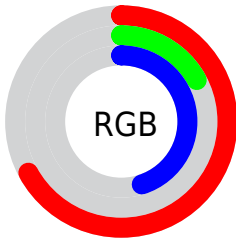
Format	Color
R_{YB}	171, 43, 114
Decimal	11217778
CIE _{Lab}	40.57, 56.95, -10.30
CIE _{LCh}	41, 57.873, 349.752
Yxy	11.6006, 0.4192, 0.2350
Android (android.graphics.Color)	4289407858 (0xFFAB2B72)
YUV	89.3660, 12.1446, 71.5930
Hunter-Lab	34.0597, 48.8577, -5.8695

Details

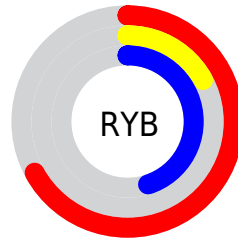
The XYZ color **20.6957, 11.6006, 17.0679** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.8602, 30.5598, 17.0161**, and the grayscale version is **9.5430, 10.0400, 10.9336**.

A 20% lighter version of the original color is **44.1697, 28.8835, 39.3235**, and **7.9228, 3.9708, 5.5031** is the 20% darker color. If you saturate the color by 10%, you get **19.7835, 10.4413, 14.7135**, and if you desaturate by 10%, it is **21.9052, 13.2967, 19.6997**.

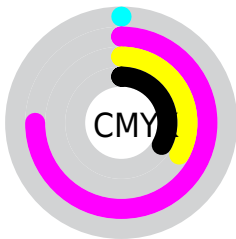
Distribution



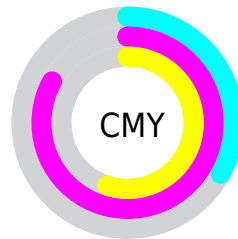
- Red (67%)
- Green (17%)
- Blue (45%)



- Red (67%)
- Yellow (17%)
- Blue (45%)



- Cyan (0%)
- Magenta (75%)
- Yellow (33%)
- Black (33%)





- Cyan (33%)
- Magenta (83%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6957, 11.6006, 17.0679 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 20.6957, 11.6006, 17.0679 by changing the saturation by 10% instead.


 20.6957, 11.6006,
17.0679


 20.6957, 11.6006,
17.0679


248.4193,
201.7429, 247.6205


 13.0129, 6.4723,
10.1204


 44.0756, 28.7656,
39.2347


 7.5145, 3.1344,
5.3722


 60.5035, 41.5710,
55.2912


 3.8351, 1.2023,
2.4048

 80.5772, 57.7044,
75.2211

 1.6093, 0.0636,
0.7890

 104.6620, 77.5500,
99.4429

 0.3984, 0.0000,
0.0000

 133.1232,
101.4923, 128.3752

 0.0000, 0.0000,
0.0000

 166.3263,

129.9156, 162.4366

204.6365,
163.2043, 202.0455

■ 20.6957, 11.6006,
17.0679

■ 20.6957, 11.6006,
17.0679

■ 19.7835, 10.4413,
14.7135

■ 21.9052, 13.2967,
19.6997

■ 19.1313, 9.7456,
12.6194

■ 23.4409, 15.5861,
22.6224

■ 18.8532, 9.4814,
11.6264

■ 25.3291, 18.5201,
25.8488

■ 27.5931, 22.1440,
29.3908

■ 30.2541, 26.4988,
33.2590

■ 33.3315, 31.6226,
37.4637

■ 36.8436, 37.5504,
42.0145

■ 40.8075, 44.3154,
46.9207

■ 45.2394, 51.9487,
52.1909

Harmonies

Analogous

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



18.1688, 11.6006, 33.4369



20.6957, 11.6006, 17.0679



20.1876, 11.6006, 6.4546

Triad

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



20.6957, 11.6006, 17.0679



8.5801, 11.6006, 1.0877



6.6920, 11.6006, 38.7354

Complementary

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



20.6957, 11.6006, 17.0679



17.8602, 30.5598, 17.0161

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.



5.1650, 11.6006, 21.8546



20.6957, 11.6006, 17.0679



6.0540, 11.6006, 2.9620

Square

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



20.6957, 11.6006, 17.0679



12.4824, 11.6006, 0.9093



4.9646, 11.6006, 9.0386



9.6876, 11.6006, 50.1864

Rectangle

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



20.6957, 11.6006, 17.0679



18.2297, 11.6006, 3.0190



4.9646, 11.6006, 9.0386



6.0248, 11.6006, 33.1528

Sweetspot

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



20.6960, 11.6012, 17.0681



55.4688, 49.5850, 61.3609



13.3029, 7.2917, 39.2343



12.0651, 10.5535, 13.2578



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.



20.6960, 11.6012, 17.0681



34.5976, 17.7784, 23.7734



18.2683, 10.6301, 4.2839



8.1842, 8.0869, 9.2806



14.2394, 7.1583, 8.9059



0.4231, 0.2099, 0.3899

Inverse Universe

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



20.6960, 11.6012, 17.0681



34.5976, 17.7784, 23.7734



22.1227, 32.2649, 39.4623



8.1842, 8.0869, 9.2806



14.2394, 7.1583, 8.9059



0.4231, 0.2099, 0.3899

Previews

White Background



This preview shows how the XYZ color 20.6957, 11.6006, 17.0679 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 20.6957, 11.6006, 17.0679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

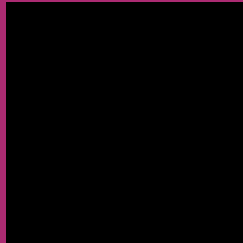
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6957, 11.6006, 17.0679

Background



This preview shows how black text looks on a background with the XYZ color 20.6957, 11.6006, 17.0679.



This preview shows how white text looks on a background with the XYZ color 20.6957, 11.6006,

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

20.6957, 11.6006, 17.0679

Protanopia

12.6578, 11.9642, 30.4963

Deuteranopia

12.0234, 11.8336, 15.5603



Tritanopia

18.3189, 11.5894, 5.8289

Trichromacy



Original Color

20.6957, 11.6006, 17.0679

Protanomaly

13.6553, 10.3545, 24.9458

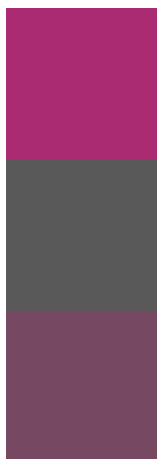
Deuteranomaly

13.9347, 10.5936, 16.0622

Tritanomaly

18.9068, 11.4651, 9.0011

Monochromacy



Original Color

20.6957, 11.6006, 17.0679

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

12.1297, 9.4385, 12.7378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6957, 11.6006, 17.0679 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(171, 43, 114)` looks like.

```
.text, #text, p{  
    color:rgb(171, 43, 114)  
}
```

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(171, 43, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 43, 114) }
```

Border

The CSS property to change the border of an element to XYZ 20.6957, 11.6006, 17.0679 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(171, 43, 114) }
```


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

```
.border{ border-color:rgb(171, 43, 114) }
```

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

Here you see how a box with a 4 pixel rgb(171, 43, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 43, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 43, 114);  
box-shadow:4px 4px 4px 4px rgb(171, 43,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6957, 11.6006, 17.0679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 43, 114) }
```

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

```
.background{ background-color: rgb(171, 43,  
114) }
```

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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