

Converting Colors

XYZ(20.9618, 9.5990, 12.6834)

Have a look what the booklet for
XYZ(20.9618, 9.5990, 12.6834)
contains.

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Color

**XYZ(21.5917, 10.8652,
13.0158)**

Conversions

Conversions Part 1

Format	Color
Hex	B60064
RGB	182, 0, 100
RGB Percent	71%, 0%, 39%
CMY	0.2863, 0.9999, 0.6078
CMYK	0.00, 1.00, 0.45, 0.29
HSL	327°, 100%, 36%
HSV	327°, 100%, 71%
XYZ	21.5917, 10.8652, 13.0158
YIQ	65.8180, 76.3720, 69.6840

Conversions

Conversions Part 2

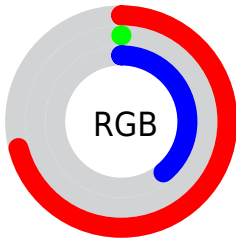
Format	Color
R_{YB}	182, 0, 100
Decimal	11927652
CIE _{Lab}	39.35, 66.50, -3.09
CIE _{LCh}	39, 66.567, 357.342
Yxy	10.8652, 0.4748, 0.2389
Android (android.graphics.Color)	4290117732 (0xFFB60064)
YUV	65.8180, 16.8517, 101.8916
Hunter-Lab	32.9624, 59.2405, -0.3380

Details

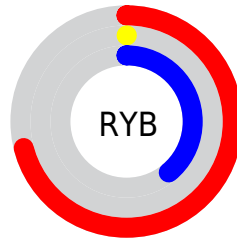
The XYZ color **21.5917, 10.8652, 13.0158** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **18.2524, 34.0657, 13.6018**, and the grayscale version is **5.1192, 5.3857, 5.8651**.

A 20% lighter version of the original color is **45.6413, 27.4756, 32.1759**, and **8.8342, 4.4773, 3.8886** is the 20% darker color. If you saturate the color by 10%, you get **21.5910, 10.8649, 13.0125**, and if you desaturate by 10%, it is **22.2290, 11.4722, 15.2864**.

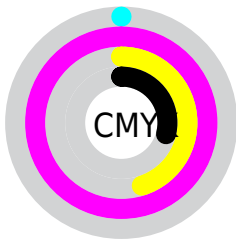
Distribution



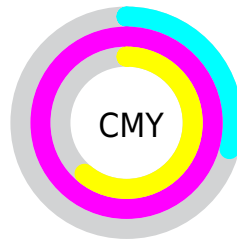
- Red (71%)
- Green (0%)
- Blue (39%)



- Red (71%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (29%)




- Cyan (29%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5917, 10.8652, 13.0158 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 21.5917, 10.8652, 13.0158 by changing the saturation by 10% instead.


 21.5917, 10.8652,
13.0158


 21.5917, 10.8652,
13.0158


253.0792,
196.7404, 222.2303


 13.6721, 5.9763,
7.3086


 45.5541, 27.4106,
32.0238


 7.9731, 2.8307,
3.5745


 62.3277, 39.8359,
46.1616


 4.1294, 1.0440,
1.3949


 82.7833, 55.5421,
63.9467

 1.7756, 0.0000,
0.1378

 107.2863, 74.9136,
85.7976

 0.5029, 0.0000,
0.0000

 136.2020, 98.3348,
112.1329

 0.0000, 0.0000,
0.0000

 169.8958,

126.1900, 143.3711

208.7331,
158.8638, 179.9307

■ 21.5917, 10.8652,
13.0158

■ 21.5917, 10.8652,
13.0158

■ 21.5910, 10.8649,
13.0125

■ 22.2290, 11.4722,
15.2864

■ 23.1113, 12.5034,
17.8414

■ 24.3165, 14.1130,
20.7122

■ 25.8830, 16.3759,
23.9166

■ 27.8433, 19.3556,
27.4705

■ 30.2260, 23.1080,
31.3882

■ 33.0572, 27.6834,
35.6830

■ 36.3606, 33.1278,
40.3674

■ 40.1581, 39.4837,
45.4530

Harmonies

Analogous

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



19.4477, 10.8652, 30.8478



21.5917, 10.8652, 13.0158



20.0653, 10.8652, 3.7138

Triad

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



21.5917, 10.8652, 13.0158



6.8439, 10.8652, 0.6096



6.3296, 10.8652, 47.3071

Complementary

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



21.5917, 10.8652, 13.0158



18.2524, 34.0657, 13.6018

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.



4.3946, 10.8652, 27.2323



21.5917, 10.8652, 13.0158



4.6253, 10.8652, 2.8690

Square

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



21.5917, 10.8652, 13.0158



10.7331, 10.8652, 0.0946



3.8754, 10.8652, 10.7192



9.9314, 10.8652, 57.7910

Rectangle

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



21.5917, 10.8652, 13.0158



17.3614, 10.8652, 1.3668



3.8754, 10.8652, 10.7192



5.5074, 10.8652, 40.9713

Sweetspot

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



21.5920, 10.8658, 13.0160



59.6427, 49.7168, 64.2677



11.9162, 5.1681, 44.6255



12.6782, 10.1768, 13.4564



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.



21.5920, 10.8658, 13.0160



39.0236, 19.6497, 22.9556



19.3417, 9.9657, 1.1663



9.2055, 9.0926, 10.4294



15.2812, 7.6863, 9.3678



0.5694, 0.2833, 0.4921

Inverse Universe

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



21.5920, 10.8658, 13.0160



39.0236, 19.6497, 22.9556



24.2616, 36.4694, 45.2458



9.2055, 9.0926, 10.4294



15.2812, 7.6863, 9.3678



0.5694, 0.2833, 0.4921

Previews

White Background



This preview shows how the XYZ color 21.5917, 10.8652, 13.0158 looks on a white background.

Color Contrast Check

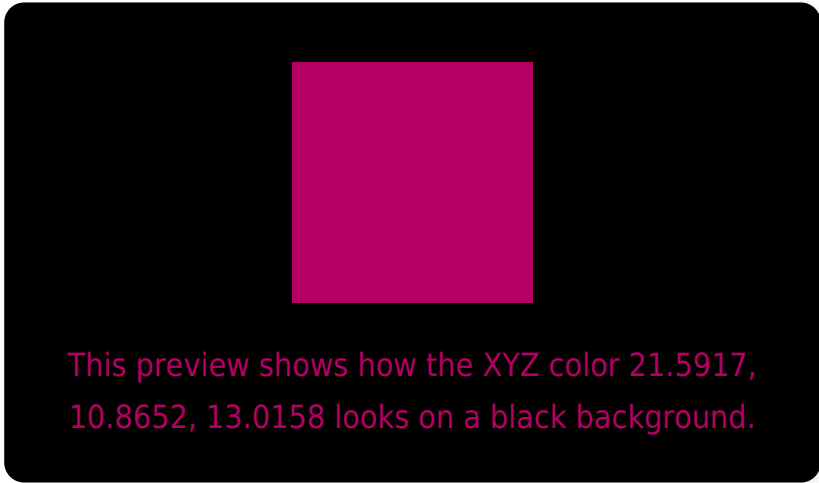
Large Text (above 18pt) WCAG AA ✓ Pass

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

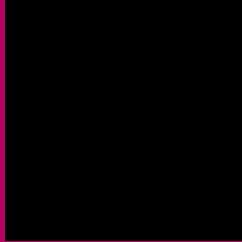
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5917, 10.8652, 13.0158

Background



This preview shows how black text looks on a background with the XYZ color 21.5917, 10.8652, 13.0158.



This preview shows how white text looks on a background with the XYZ color 21.5917, 10.8652,

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

21.5917, 10.8652, 13.0158

Protanopia

12.1786, 11.6387, 27.9902

Deuteranopia

11.7028, 11.4912, 11.7264



Tritanopia

19.7322, 11.2545, 3.1398

Trichromacy



Original Color

21.5917, 10.8652, 13.0158



Protanomaly

12.7146, 8.5032, 21.3932



Deuteranomaly

13.4610, 9.0225, 11.8585



Tritanomaly

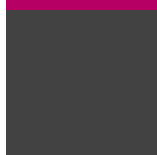
20.0395, 10.7464, 5.5755

Monochromacy



Original Color

21.5917, 10.8652, 13.0158



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.3875, 5.3941, 7.8068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5917, 10.8652, 13.0158 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(182, 0, 100)` looks like.

```
.text, #text, p{  
  color:rgb(182, 0, 100)  
}
```

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(182, 0, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 100) }
```

Border

The CSS property to change the border of an element to XYZ 21.5917, 10.8652, 13.0158 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(182, 0, 100) }
```


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

```
.border{ border-color:rgb(182, 0, 100) }
```

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

Here you see how a box with a 4 pixel rgb(182, 0, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(182, 0,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5917, 10.8652, 13.0158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 100) }
```

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

```
.background{ background-color: rgb(182, 0,  
100) }
```

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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