

Converting Colors

XYZ(20.9449, 10.5806, 10.7771)

Have a look what the booklet for
XYZ(20.9449, 10.5806, 10.7771)
contains.

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Color

**XYZ(20.9444, 10.5791,
10.8356)**

Conversions

Conversions Part 1

Format	Color
Hex	B5005B
RGB	181, 0, 91
RGB Percent	71%, 0%, 36%
CMY	0.2902, 0.9999, 0.6431
CMYK	0.00, 1.00, 0.50, 0.29
HSL	330°, 100%, 35%
HSV	330°, 100%, 71%
XYZ	20.9444, 10.5791, 10.8356
YIQ	64.4930, 78.6650, 66.6730

Conversions

Conversions Part 2

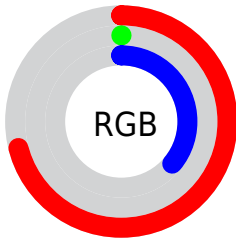
Format	Color
R_{YB}	181, 0, 91
Decimal	11862107
CIE _{Lab}	38.86, 65.53, 1.91
CIE _{LCh}	39, 65.557, 1.668
Yxy	10.5791, 0.4944, 0.2497
Android (android.graphics.Color)	4290052187 (0xFFB5005B)
YUV	64.4930, 13.0680, 102.1766
Hunter-Lab	32.5255, 58.0231, 3.0159

Details

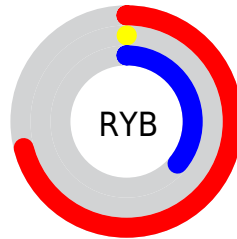
The XYZ color **20.9444, 10.5791, 10.8356** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **18.3710, 33.7866, 15.2328**, and the grayscale version is **4.9225, 5.1788, 5.6397**.

A 20% lighter version of the original color is **44.4430, 26.8349, 28.0366**, and **8.3783, 4.2622, 2.9659** is the 20% darker color. If you saturate the color by 10%, you get **20.9437, 10.5788, 10.8322**, and if you desaturate by 10%, it is **21.5748, 11.1807, 13.0780**.

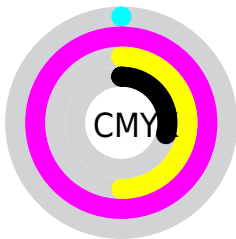
Distribution



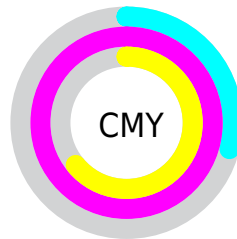
- Red (71%)
- Green (0%)
- Blue (36%)



- Red (71%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (29%)




- Cyan (29%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9444, 10.5791, 10.8356 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 20.9444, 10.5791, 10.8356 by changing the saturation by 10% instead.


 20.9444, 10.5791,
10.8356


 20.9444, 10.5791,
10.8356


249.7202,
194.7567, 207.2330


 13.1956, 5.7846,
5.8436


 44.4870, 26.8792,
27.9878


 7.6413, 2.7145,
2.6830


 61.0114, 39.1535,
40.9850


 3.9162, 0.9846,
0.9348

 81.1918, 54.6899,
57.4877

 1.6548, 0.0000,
0.0000

 105.3935, 73.8728,
77.9145

 0.4277, 0.0000,
0.0000

 133.9818, 97.0865,
102.6839

 0.0000, 0.0000,
0.0000

 167.3221,

124.7155, 132.2144

205.7798,
157.1441, 166.9246

■ 20.9444, 10.5791,
10.8356

■ 20.9444, 10.5791,
10.8356

■ 20.9437, 10.5788,
10.8322

■ 21.5748, 11.1807,
13.0780

■ 22.4544, 12.2037,
15.6410

■ 23.6609, 13.8010,
18.5578

■ 25.2325, 16.0468,
21.8482

■ 27.2015, 19.0036,
25.5298

■ 29.5968, 22.7269,
29.6185

■ 32.4442, 27.2664,
34.1294

■ 35.7674, 32.6675,
39.0763

■ 39.5885, 38.9724,
44.4724

Harmonies

Analogous

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



19.3582, 10.5791, 27.0330



20.9444, 10.5791, 10.8356



18.9839, 10.5791, 2.9654

Triad

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



20.9444, 10.5791, 10.8356



6.2728, 10.5791, 0.7836



6.5857, 10.5791, 48.0749

Complementary

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



20.9444, 10.5791, 10.8356



18.3710, 33.7866, 15.2328

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.



4.4850, 10.5791, 29.2223



20.9444, 10.5791, 10.8356



4.3444, 10.5791, 3.4814

Square

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



20.9444, 10.5791, 10.8356



9.8136, 10.5791, 0.1031



3.7985, 10.5791, 12.2302



10.3005, 10.5791, 55.8726

Rectangle

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



20.9444, 10.5791, 10.8356



16.1846, 10.5791, 1.0947



3.7985, 10.5791, 12.2302



5.7092, 10.5791, 42.3703

Sweetspot

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



20.9447, 10.5797, 10.8358



57.8224, 48.3753, 60.6878



12.3180, 5.3872, 44.1066



12.0226, 9.6947, 12.3763



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.9447, 10.5797, 10.8358



37.3948, 18.9005, 18.7946



19.0730, 9.8311, 0.9798



8.6686, 8.5742, 9.7532



14.4733, 7.3069, 7.6521



0.4848, 0.2417, 0.3958

Inverse Universe

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



20.9447, 10.5797, 10.8358



37.3948, 18.9005, 18.7946



24.5585, 36.2616, 47.8157



8.6686, 8.5742, 9.7532



14.4733, 7.3069, 7.6521



0.4848, 0.2417, 0.3958

Previews

White Background



This preview shows how the XYZ color 20.9444, 10.5791, 10.8356 looks on a white background.

Color Contrast Check

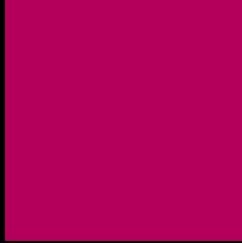
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9444, 10.5791, 10.8356 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 20.9444, 10.5791, 10.8356

Background



This preview shows how black text looks on a background with the XYZ color 20.9444, 10.5791, 10.8356.



This preview shows how white text looks on a background with the XYZ color 20.9444, 10.5791,

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

20.9444, 10.5791, 10.8356

Protanopia

11.5784, 11.3064, 23.0448

Deuteranopia

11.3658, 11.2325, 9.7527



Tritanopia

19.3094, 10.8541, 2.7464

Trichromacy



Original Color

20.9444, 10.5791, 10.8356



Protanomaly

12.3241, 8.3108, 17.4776



Deuteranomaly

13.0243, 8.7663, 9.8097



Tritanomaly

19.6106, 10.4820, 4.7310

Monochromacy



Original Color

20.9444, 10.5791, 10.8356



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.0924, 5.2061, 7.0569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9444, 10.5791, 10.8356 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(181, 0, 91)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 91)  
}
```

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(181, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 91) }
```

Border

The CSS property to change the border of an element to XYZ 20.9444, 10.5791, 10.8356 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(181, 0, 91) }
```


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

```
.border{ border-color:rgb(181, 0, 91) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.9444, 10.5791, 10.8356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 91) }
```

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

```
.background{ background-color: rgb(181, 0,  
91) }
```

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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