

Converting Colors

XYZ(20.5406, 10.3504, 11.7416)

Have a look what the booklet for
XYZ(20.5406, 10.3504, 11.7416)
contains.

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Color

**XYZ(20.6560, 10.4099,
11.7471)**

Conversions

Conversions Part 1

Format	Color
Hex	B3005F
RGB	179, 0, 95
RGB Percent	70%, 0%, 37%
CMY	0.2980, 0.9999, 0.6274
CMYK	0.00, 1.00, 0.47, 0.30
HSL	328°, 100%, 35%
HSV	328°, 100%, 70%
XYZ	20.6560, 10.4099, 11.7471
YIQ	64.3510, 76.1890, 67.4930

Conversions

Conversions Part 2

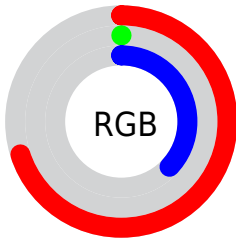
Format	Color
R_{YB}	179, 0, 95
Decimal	11731039
CIE _{Lab}	38.57, 65.40, -1.13
CIE _{LCh}	39, 65.413, 359.012
Yxy	10.4099, 0.4825, 0.2431
Android (android.graphics.Color)	4289921119 (0xFFB3005F)
YUV	64.3510, 15.1100, 100.5472
Hunter-Lab	32.2644, 57.8150, 0.9982

Details

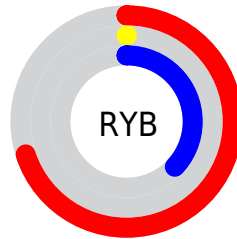
The XYZ color **20.6560, 10.4099, 11.7471** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **17.7217, 32.8809, 13.8055**, and the grayscale version is **4.8980, 5.1531, 5.6117**.

A 20% lighter version of the original color is **44.0633, 26.6042, 29.6008**, and **8.3001, 4.2148, 3.2818** is the 20% darker color. If you saturate the color by 10%, you get **20.6554, 10.4097, 11.7442**, and if you desaturate by 10%, it is **21.2739, 11.0013, 13.9401**.

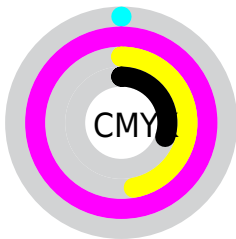
Distribution



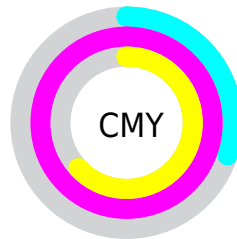
- Red (70%)
- Green (0%)
- Blue (37%)



- Red (70%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6560, 10.4099, 11.7471 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 20.6560, 10.4099, 11.7471 by changing the saturation by 10% instead.


 20.6560, 10.4099,
11.7471


 20.6560, 10.4099,
11.7471


248.2111,
193.5731, 213.6419


 12.9838, 5.6716,
6.4513


 44.0099, 26.5637,
29.6911


 7.4943, 2.6464,
3.0482


 60.4224, 38.7479,
43.1764

 3.8222, 0.9501,
1.1193

 80.4789, 54.1829,
60.2286

 1.6020, 0.0000,
0.0000

 104.5450, 73.2531,
81.2662

 0.3937, 0.0000,
0.0000

 132.9859, 96.3428,
106.7078

 0.0000, 0.0000,
0.0000

 166.1669,

123.8364, 136.9719

204.4536,
156.1184, 172.4771

■ 20.6560, 10.4099,
11.7471

■ 20.6560, 10.4099,
11.7471

■ 20.6554, 10.4097,
11.7442

■ 21.2739, 11.0013,
13.9401

■ 22.1297, 12.0004,
16.4216

■ 23.2994, 13.5577,
19.2231

■ 24.8199, 15.7448,
22.3624

■ 26.7226, 18.6227,
25.8554

■ 29.0350, 22.2452,
29.7166

■ 31.7822, 26.6604,
33.9593

■ 34.9872, 31.9128,
38.5961

■ 38.6711, 38.0431,
43.6389

Harmonies

Analogous

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



18.7925, 10.4099, 28.3839



20.6560, 10.4099, 11.7471



19.0116, 10.4099, 3.3003

Triad

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



20.6560, 10.4099, 11.7471



6.4064, 10.4099, 0.6496



6.2236, 10.4099, 46.0827

Complementary

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



20.6560, 10.4099, 11.7471



17.7217, 32.8809, 13.8055

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.



4.2885, 10.4099, 27.1019



20.6560, 10.4099, 11.7471



4.3706, 10.4099, 2.9997

Square

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



20.6560, 10.4099, 11.7471



10.0373, 10.4099, 0.0764



3.7228, 10.4099, 10.9319



9.7527, 10.4099, 55.2135

Rectangle

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



20.6560, 10.4099, 11.7471



16.3565, 10.4099, 1.2161



3.7228, 10.4099, 10.9319



5.4074, 10.4099, 40.1853

Sweetspot

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



20.6563, 10.4105, 11.7473



56.6447, 47.2994, 60.4067



11.7527, 5.1192, 43.0165



12.0776, 9.7167, 12.6661



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.



20.6563, 10.4105, 11.7473



36.8788, 18.5977, 20.4306



18.6235, 9.5974, 1.0430



8.6785, 8.5781, 9.8054



14.6292, 7.3693, 8.4735



0.4895, 0.2435, 0.4202

Inverse Universe

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



20.6563, 10.4105, 11.7473



36.8788, 18.5977, 20.4306



23.6666, 35.2589, 45.1108



8.6785, 8.5781, 9.8054



14.6292, 7.3693, 8.4735



0.4895, 0.2435, 0.4202

Previews

White Background



This preview shows how the XYZ color 20.6560, 10.4099, 11.7471 looks on a white background.

Color Contrast Check

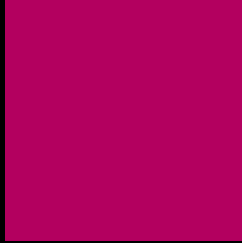
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6560, 10.4099, 11.7471 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 20.6560, 10.4099, 11.7471

Background



This preview shows how black text looks on a background with the XYZ color 20.6560, 10.4099, 11.7471.



This preview shows how white text looks on a background with the XYZ color 20.6560, 10.4099,

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

20.6560, 10.4099, 11.7471

Protanopia

11.5670, 11.1227, 25.2042

Deuteranopia

11.2022, 11.0037, 10.5503



Tritanopia

18.9475, 10.7563, 2.9112

Trichromacy



Original Color

20.6560, 10.4099, 11.7471



Protanomaly

12.1470, 8.1779, 19.3506



Deuteranomaly

12.8243, 8.5700, 10.6511



Tritanomaly

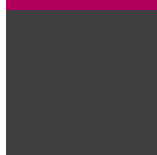
19.2475, 10.3161, 5.1144

Monochromacy



Original Color

20.6560, 10.4099, 11.7471



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

8.0068, 5.1580, 7.2302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6560, 10.4099, 11.7471 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(179, 0, 95)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 95)  
}
```

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(179, 0, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 95) }
```

Border

The CSS property to change the border of an element to XYZ 20.6560, 10.4099, 11.7471 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(179, 0, 95) }
```


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

```
.border{ border-color:rgb(179, 0, 95) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 95);  
box-shadow:4px 4px 4px 4px rgb(179, 0, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.6560, 10.4099, 11.7471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 95) }
```

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

```
.background{ background-color: rgb(179, 0,  
95) }
```

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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