

Converting Colors

XYZ(20.5692, 10.3619, 11.8925)

Have a look what the booklet for
XYZ(20.5692, 10.3619, 11.8925)
contains.

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Color

**XYZ(20.4714, 10.3095,
11.9773)**

Conversions

Conversions Part 1

Format	Color
Hex	B20060
RGB	178, 0, 96
RGB Percent	70%, 0%, 38%
CMY	0.3020, 0.9999, 0.6235
CMYK	0.00, 1.00, 0.46, 0.30
HSL	328°, 100%, 35%
HSV	328°, 100%, 70%
XYZ	20.4714, 10.3095, 11.9773
YIQ	64.1660, 75.2720, 67.5920

Conversions

Conversions Part 2

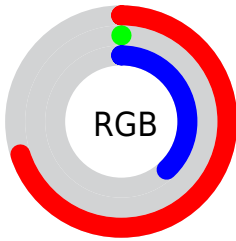
Format	Color
R_{YB}	178, 0, 96
Decimal	11665504
CIE _{Lab}	38.39, 65.26, -2.05
CIE _{LCh}	38, 65.296, 358.202
Yxy	10.3095, 0.4788, 0.2411
Android (android.graphics.Color)	4289855584 (0xFFB20060)
YUV	64.1660, 15.6942, 99.8324
Hunter-Lab	32.1084, 57.6168, 0.3591

Details

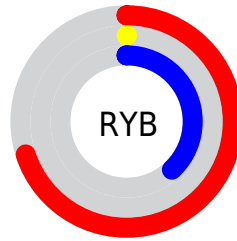
The XYZ color **20.4714, 10.3095, 11.9773** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **17.4448, 32.4505, 13.3325**, and the grayscale version is **4.8697, 5.1233, 5.5793**.

A 20% lighter version of the original color is **43.8022, 26.4606, 29.9929**, and **8.1835, 4.1522, 3.3878** is the 20% darker color. If you saturate the color by 10%, you get **20.4708, 10.3092, 11.9741**, and if you desaturate by 10%, it is **21.0825, 10.8956, 14.1423**.

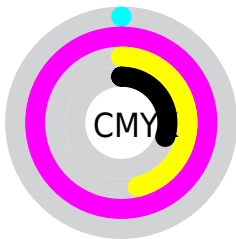
Distribution



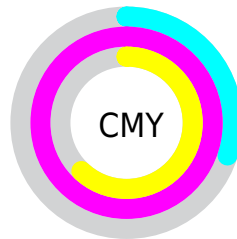
- Red (70%)
- Green (0%)
- Blue (38%)



- Red (70%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4714, 10.3095, 11.9773 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 20.4714, 10.3095, 11.9773 by changing the saturation by 10% instead.

 20.4714, 10.3095,
11.9773


 20.4714, 10.3095,
11.9773


247.2410,
192.8670, 215.2275


 12.8484, 5.6046,
6.6059


 43.7041, 26.3760,
30.1175


 7.4005, 2.6062,
3.1422


 60.0444, 38.5065,
43.7234


 3.7624, 0.9298,
1.1677

 80.0213, 53.8810,
60.9112

 1.5686, 0.0000,
0.0000

 104.0001, 72.8838,
82.0994

 0.3718, 0.0000,
0.0000

 132.3461, 95.8994,
107.7066

 0.0000, 0.0000,
0.0000

 165.4247,

123.3122, 138.1514

203.6012,
155.5066, 173.8521

■ 20.4714, 10.3095,
11.9773

■ 20.4714, 10.3095,
11.9773

■ 20.4708, 10.3092,
11.9741

■ 21.0825, 10.8956,
14.1423

■ 21.9269, 11.8832,
16.5851

■ 23.0797, 13.4212,
19.3362

■ 24.5774, 15.5804,
22.4131

■ 26.4506, 18.4208,
25.8309

■ 28.7268, 21.9954,
29.6037

■ 31.4304, 26.3518,
33.7444

■ 34.5840, 31.5336,
38.2650

■ 38.2084, 37.5811,
43.1770

Harmonies

Analogous

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



18.5343, 10.3095, 28.6679



20.4714, 10.3095, 11.9773



18.9301, 10.3095, 3.3907

Triad

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



20.4714, 10.3095, 11.9773



6.4167, 10.3095, 0.6047



6.0869, 10.3095, 45.2727

Complementary

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



20.4714, 10.3095, 11.9773



17.4448, 32.4505, 13.3325

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.



4.2096, 10.3095, 26.3520



20.4714, 10.3095, 11.9773



4.3576, 10.3095, 2.8487

Square

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



20.4714, 10.3095, 11.9773



10.0580, 10.3095, 0.0650



3.6823, 10.3095, 10.5054



9.5442, 10.3095, 54.7547

Rectangle

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



20.4714, 10.3095, 11.9773



16.3314, 10.3095, 1.2487



3.6823, 10.3095, 10.5054



5.2923, 10.3095, 39.3486

Sweetspot

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



20.4717, 10.3101, 11.9775



56.7145, 47.3273, 60.7742



11.3542, 4.9255, 42.4716



12.0947, 9.7235, 12.7560



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.



20.4717, 10.3101, 11.9775



37.0052, 18.6483, 21.0959



18.4093, 9.4851, 1.1169



8.6815, 8.5793, 9.8215



14.6792, 7.3892, 8.7365



0.4909, 0.2441, 0.4279

Inverse Universe

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



20.4717, 10.3101, 11.9775



37.0052, 18.6483, 21.0959



23.0916, 34.7092, 43.0684



8.6815, 8.5793, 9.8215



14.6792, 7.3892, 8.7365



0.4909, 0.2441, 0.4279

Previews

White Background



This preview shows how the XYZ color 20.4714, 10.3095, 11.9773 looks on a white background.

Color Contrast Check

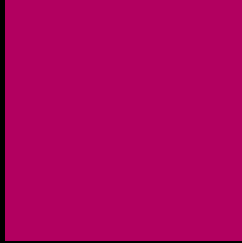
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4714, 10.3095, 11.9773 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 20.4714, 10.3095, 11.9773

Background



This preview shows how black text looks on a background with the XYZ color 20.4714, 10.3095, 11.9773.



This preview shows how white text looks on a background with the XYZ color 20.4714, 10.3095,

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

20.4714, 10.3095, 11.9773

Protanopia

11.4752, 11.0671, 25.5761

Deuteranopia

11.1265, 10.9600, 10.7616



Tritanopia

18.7385, 10.6467, 2.9868

Trichromacy



Original Color

20.4714, 10.3095, 11.9773

Protanomaly

12.0785, 8.1354, 19.6726

Deuteranomaly

12.7115, 8.5069, 10.8696

Tritanomaly

19.0467, 10.2096, 5.2417

Monochromacy



Original Color

20.4714, 10.3095, 11.9773

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.9231, 5.1109, 7.4064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4714, 10.3095, 11.9773 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(178, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 96)  
}
```

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(178, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 20.4714, 10.3095, 11.9773 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(178, 0, 96) }
```


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

```
.border{ border-color:rgb(178, 0, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 0, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4714, 10.3095, 11.9773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 96) }
```

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

```
.background{ background-color: rgb(178, 0,  
96) }
```

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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