

Converting Colors

XYZ(19.4303, 8.1897, 10.1384)

Have a look what the booklet for
XYZ(19.4303, 8.1897, 10.1384)
contains.

XYZ(20.4359, 10.3219, 10.5881)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.4359, 10.3219,
10.5881)**

Conversions

Conversions Part 1

Format	Color
Hex	B3005A
RGB	179, 0, 90
RGB Percent	70%, 0%, 35%
CMY	0.2980, 0.9999, 0.6471
CMYK	0.00, 1.00, 0.50, 0.30
HSL	330°, 100%, 35%
HSV	330°, 100%, 70%
XYZ	20.4359, 10.3219, 10.5881
YIQ	63.7810, 77.7940, 65.9380

Conversions

Conversions Part 2

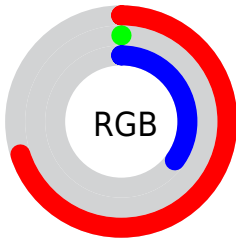
Format	Color
R_{YB}	179, 0, 90
Decimal	11731034
CIE _{Lab}	38.41, 65.00, 1.85
CIE _{LCh}	38, 65.023, 1.627
Yxy	10.3219, 0.4943, 0.2496
Android (android.graphics.Color)	4289921114 (0xFFB3005A)
YUV	63.7810, 12.9260, 101.0471
Hunter-Lab	32.1277, 57.3174, 2.9496

Details

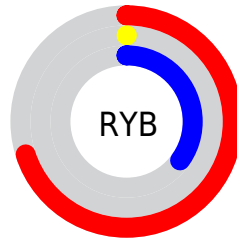
The XYZ color **20.4359, 10.3219, 10.5881** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **17.9248, 32.9621, 14.8751**, and the grayscale version is **4.8160, 5.0668, 5.5177**.

A 20% lighter version of the original color is **43.6861, 26.4533, 27.6144**, and **8.2194, 4.1825, 2.8567** is the 20% darker color. If you saturate the color by 10%, you get **20.4352, 10.3216, 10.5849**, and if you desaturate by 10%, it is **21.0530, 10.9130, 12.7765**.

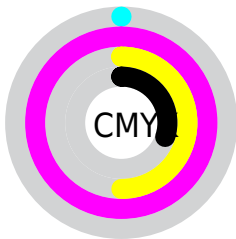
Distribution



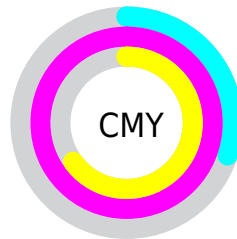
- Red (70%)
- Green (0%)
- Blue (35%)



- Red (70%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4359, 10.3219, 10.5881 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 20.4359, 10.3219, 10.5881 by changing the saturation by 10% instead.


 20.4359, 10.3219,
10.5881


 20.4359, 10.3219,
10.5881


247.0541,
192.9543, 205.4544


 12.8224, 5.6129,
5.6799


 43.6452, 26.3992,
27.5208


 7.3825, 2.6112,
2.5858


 59.9717, 38.5363,
40.3825


 3.7509, 0.9323,
0.8851

 79.9332, 53.9183,
56.7324

 1.5622, 0.0000,
0.0000

 103.8952, 72.9295,
76.9891

 0.3676, 0.0000,
0.0000

 132.2229, 95.9543,
101.5711

 0.0000, 0.0000,
0.0000

 165.2817,

123.3771, 130.8969

203.4370,
155.5823, 165.3852

■ 20.4359, 10.3219,
10.5881

■ 20.4359, 10.3219,
10.5881

■ 20.4352, 10.3216,
10.5849

■ 21.0530, 10.9130,
12.7765

■ 21.9124, 11.9136,
15.2771

■ 23.0905, 13.4743,
18.1225

■ 24.6243, 15.6668,
21.3317

■ 26.5455, 18.5522,
24.9221

■ 28.8819, 22.1844,
28.9090

■ 31.6587, 26.6115,
33.3071

■ 34.8990, 31.8781,
38.1298

■ 38.6242, 38.0251,
43.3901

Harmonies

Analogous

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



18.8837, 10.3219, 26.4023



20.4359, 10.3219, 10.5881



18.5273, 10.3219, 2.8988

Triad

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



20.4359, 10.3219, 10.5881



6.1238, 10.3219, 0.7597



6.4216, 10.3219, 46.8874

Complementary

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



20.4359, 10.3219, 10.5881



17.9248, 32.9621, 14.8751

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.



4.3740, 10.3219, 28.4862



20.4359, 10.3219, 10.5881



4.2402, 10.3219, 3.3900

Square

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



20.4359, 10.3219, 10.5881



9.5807, 10.3219, 0.0863



3.7059, 10.3219, 11.9156



10.0442, 10.3219, 54.5177

Rectangle

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



20.4359, 10.3219, 10.5881



15.7976, 10.3219, 1.0701



3.7059, 10.3219, 11.9156



5.5672, 10.3219, 41.3171

Sweetspot

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



20.4362, 10.3225, 10.5883



56.4196, 47.2094, 59.2216



12.0239, 5.2591, 43.0291



12.0227, 9.6947, 12.3766



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.



20.4362, 10.3225, 10.5883



36.4856, 18.4404, 18.3598



18.6072, 9.5909, 0.9570



8.6686, 8.5742, 9.7533



14.4734, 7.3069, 7.6530



0.4848, 0.2417, 0.3958

Inverse Universe

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



20.4362, 10.3225, 10.5883



36.4856, 18.4404, 18.3598



23.9586, 35.3756, 46.6486



8.6686, 8.5742, 9.7533



14.4734, 7.3069, 7.6530



0.4848, 0.2417, 0.3958

Previews

White Background



This preview shows how the XYZ color 20.4359, 10.3219, 10.5881 looks on a white background.

Color Contrast Check

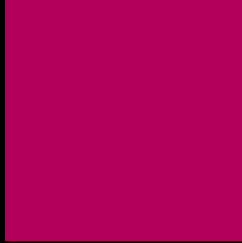
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4359, 10.3219, 10.5881 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 20.4359, 10.3219, 10.5881

Background



This preview shows how black text looks on a background with the XYZ color 20.4359, 10.3219, 10.5881.



This preview shows how white text looks on a background with the XYZ color 20.4359, 10.3219,

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

20.4359, 10.3219, 10.5881

Protanopia

11.3361, 11.0598, 22.6564

Deuteranopia

11.1614, 11.0010, 9.7188



Tritanopia

18.8538, 10.6192, 2.7251

Trichromacy



Original Color

20.4359, 10.3219, 10.5881



Protanomaly

11.9946, 8.1476, 17.1601



Deuteranomaly

12.8157, 8.5847, 9.7856



Tritanomaly

19.1517, 10.2454, 4.7095

Monochromacy



Original Color

20.4359, 10.3219, 10.5881



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

7.9394, 5.1311, 6.8753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4359, 10.3219, 10.5881 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 20.4359, 10.3219, 10.5881 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, 90) }
```


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

```
.border{ border-color:rgb(179, 0, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(179, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4359, 10.3219, 10.5881 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, 90) }
```

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

```
.background{ background-color: rgb(179, 0,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor