

Converting Colors

XYZ(20.7160, 10.8884, 5.4020)

Have a look what the booklet for
XYZ(20.7160, 10.8884, 5.4020)
contains.

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Color

**XYZ(20.8099, 10.9282,
5.4274)**

Conversions

Conversions Part 1

Format	Color
Hex	B8113D
RGB	184, 17, 61
RGB Percent	72%, 7%, 24%
CMY	0.2784, 0.9332, 0.7608
CMYK	0.00, 0.91, 0.67, 0.28
HSL	344°, 83%, 39%
HSV	344°, 91%, 72%
XYZ	20.8099, 10.9282, 5.4274
YIQ	71.9490, 85.4080, 49.0880

Conversions

Conversions Part 2

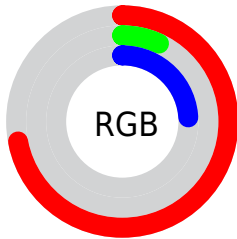
Format	Color
RYB	184, 17, 61
Decimal	12063037
CIELab	39.46, 62.31, 22.01
CIELCh	39, 66.083, 19.459
Yxy	10.9282, 0.5599, 0.2940
Android (android.graphics.Color)	4290253117 (0xFFB8113D)
YUV	71.9490, -5.3979, 98.2687
Hunter-Lab	33.0578, 54.5145, 13.4063

Details

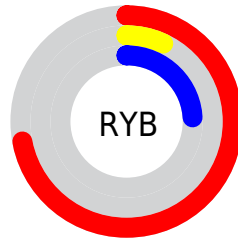
The XYZ color **20.8099, 10.9282, 5.4274** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **22.1074, 36.2943, 30.6608**, and the grayscale version is **6.1518, 6.4722, 7.0482**.

A 20% lighter version of the original color is **44.1210, 27.4919, 17.1684**, and **8.2946, 4.2615, 1.0472** is the 20% darker color. If you saturate the color by 10%, you get **20.3100, 10.4075, 3.7846**, and if you desaturate by 10%, it is **21.6354, 11.9194, 7.7372**.

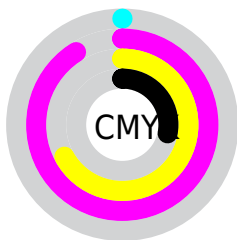
Distribution



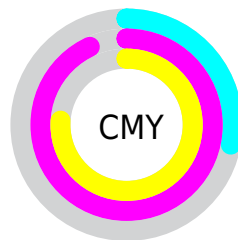
- Red (72%)
- Green (7%)
- Blue (24%)



- Red (72%)
- Yellow (7%)
- Blue (24%)



- Cyan (0%)
- Magenta (91%)
- Yellow (67%)
- Black (28%)





- Cyan (28%)
- Magenta (93%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8099, 10.9282, 5.4274 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 20.8099, 10.9282, 5.4274 by changing the saturation by 10% instead.

 20.8099, 10.9282,
5.4274


 20.8099, 10.9282,
5.4274


249.0174,
197.1743, 162.9707


 13.0968, 6.0186,
2.4371


 44.2646, 27.5273,
17.1870


 7.5727, 2.8564,
0.8065


 60.7369, 39.9856,
26.7933


 3.8722, 1.0572,
0.0000

 80.8596, 55.7289,
39.4420

 1.6301, 0.0000,
0.0000

 104.9982, 75.1416,
55.5517

 0.4119, 0.0000,
0.0000

 133.5179, 98.6081,
75.5409

 0.0000, 0.0000,
0.0000

 166.7840,

126.5128, 99.8280

205.1621,
159.2400, 128.8318

■ 20.8099, 10.9282,
5.4274

■ 20.8099, 10.9282,
5.4274

■ 20.3100, 10.4075,
3.7846

■ 21.6354, 11.9194,
7.7372

■ 22.8440, 13.5187,
10.6614

■ 24.4805, 15.8068,
14.2435

■ 26.5831, 18.8513,
18.5226

■ 29.1855, 22.7118,
23.5345

■ 32.3183, 27.4418,
29.3126

■ 36.0094, 33.0903,
35.8878

■ 40.2849, 39.7026,
43.2896

■ 45.1691, 47.3210,
51.5458

Harmonies

Analogous

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



21.3657, 10.9282, 17.0066



20.8099, 10.9282, 5.4274



17.0523, 10.9282, 1.2736

Triad

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



20.8099, 10.9282, 5.4274



5.1196, 10.9282, 1.9883



8.8895, 10.9282, 56.3638

Complementary

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



20.8099, 10.9282, 5.4274



22.1074, 36.2943, 30.6608

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.



5.7337, 10.9282, 42.2169



20.8099, 10.9282, 5.4274



4.0113, 10.9282, 7.9324

Square

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



20.8099, 10.9282, 5.4274



7.7734, 10.9282, 0.4003



4.1980, 10.9282, 22.1548



13.5290, 10.9282, 53.6095

Rectangle

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



20.8099, 10.9282, 5.4274



13.7120, 10.9282, 0.4301



4.1980, 10.9282, 22.1548



7.6482, 10.9282, 53.1762

Sweetspot

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



20.8102, 10.9289, 5.4276



60.6769, 52.9323, 56.9029



19.5791, 9.3921, 46.1280



12.6188, 10.7072, 11.4350



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.



20.8102, 10.9289, 5.4276



36.7342, 18.8331, 6.4204



21.2819, 13.0578, 1.9301



9.0991, 9.0500, 9.8694



14.0230, 7.1830, 2.7421



0.5207, 0.2638, 0.2356

Inverse Universe

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



20.8102, 10.9289, 5.4276



36.7342, 18.8331, 6.4204



19.0146, 23.8427, 48.9470



9.0991, 9.0500, 9.8694



14.0230, 7.1830, 2.7421



0.5207, 0.2638, 0.2356

Previews

White Background



This preview shows how the XYZ color 20.8099, 10.9282, 5.4274 looks on a white background.

Color Contrast Check

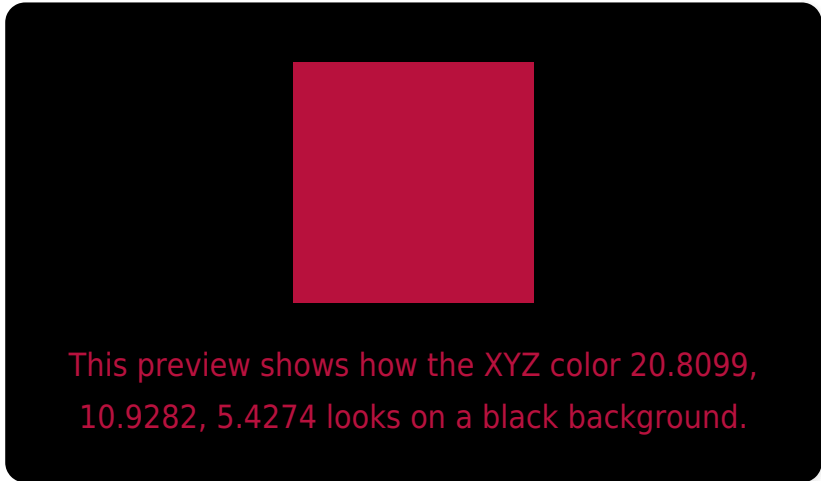
Large Text (above 18pt) WCAG AA ✓ Pass

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

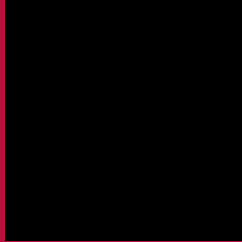
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8099, 10.9282, 5.4274

Background



This preview shows how black text looks on a background with the XYZ color 20.8099, 10.9282, 5.4274.



This preview shows how white text looks on a background with the XYZ color 20.8099, 10.9282,

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

20.8099, 10.9282, 5.4274

Protanopia

10.8429, 11.3233, 11.0653

Deuteranopia

11.5012, 11.2824, 4.9397



Tritanopia

20.1656, 11.0251, 2.1021

Trichromacy



Original Color

20.8099, 10.9282, 5.4274

Protanomaly

12.4128, 9.1281, 8.5048

Deuteranomaly

13.4758, 9.5033, 4.8654

Tritanomaly

20.2423, 10.9090, 2.9582

Monochromacy



Original Color

20.8099, 10.9282, 5.4274

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

9.0814, 6.3840, 6.2224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8099, 10.9282, 5.4274 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(184, 17, 61)` looks like.

```
.text, #text, p{  
    color:rgb(184, 17, 61)  
}
```

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(184, 17, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 17, 61) }
```

Border

The CSS property to change the border of an element to XYZ 20.8099, 10.9282, 5.4274 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(184, 17, 61) }
```


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

```
.border{ border-color:rgb(184, 17, 61) }
```

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

Here you see how a box with a 4 pixel rgb(184, 17, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 17, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 17, 61);  
box-shadow:4px 4px 4px 4px rgb(184, 17,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8099, 10.9282, 5.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 17, 61) }
```

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

```
.background{ background-color: rgb(184, 17,  
61) }
```

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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