

Converting Colors

XYZ(20.1647, 11.1915, 9.2069)

Have a look what the booklet for
XYZ(20.1647, 11.1915, 9.2069)
contains.

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Color

**XYZ(20.1274, 11.1778,
9.2803)**

Conversions

Conversions Part 1

Format	Color
Hex	B02553
RGB	176, 37, 83
RGB Percent	69%, 15%, 33%
CMY	0.3098, 0.8549, 0.6745
CMYK	0.00, 0.79, 0.53, 0.31
HSL	340°, 65%, 42%
HSV	340°, 79%, 69%
XYZ	20.1274, 11.1778, 9.2803
YIQ	83.8050, 68.0780, 43.7740

Conversions

Conversions Part 2

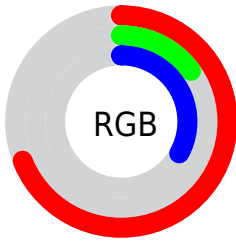
Format	Color
RYB	176, 37, 83
Decimal	11543891
CIELab	39.88, 57.17, 8.33
CIELCh	40, 57.773, 8.285
Yxy	11.1778, 0.4959, 0.2754
Android (android.graphics.Color)	4289733971 (0xFFB02553)
YUV	83.8050, -0.3969, 80.8550
Hunter-Lab	33.4332, 48.9521, 6.9457

Details

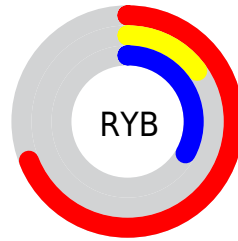
The XYZ color **20.1274, 11.1778, 9.2803** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **20.3186, 33.0561, 26.4324**, and the grayscale version is **8.3786, 8.8150, 9.5995**.

A 20% lighter version of the original color is **42.9398, 27.8646, 24.9450**, and **7.7023, 3.9284, 2.2718** is the 20% darker color. If you saturate the color by 10%, you get **19.2888, 10.1677, 6.9449**, and if you desaturate by 10%, it is **21.3076, 12.7478, 12.1109**.

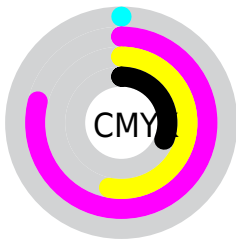
Distribution



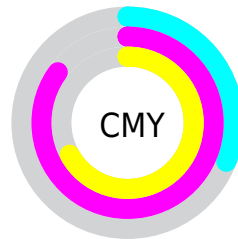
- Red (69%)
- Green (15%)
- Blue (33%)



- Red (69%)
- Yellow (15%)
- Blue (33%)



- Cyan (0%)
- Magenta (79%)
- Yellow (53%)
- Black (31%)





- Cyan (31%)
- Magenta (85%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1274, 11.1778, 9.2803 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 20.1274, 11.1778, 9.2803 by changing the saturation by 10% instead.


 20.1274, 11.1778,
9.2803


 20.1274, 11.1778,
9.2803


245.4244,
198.8833, 195.7498


 12.5965, 6.1866,
4.8252


 43.1330, 27.9885,
25.0190


 7.2264, 2.9588,
2.0881


 59.3384, 40.5767,
37.1397


 3.6516, 1.1103,
0.6087

 79.1660, 56.4661,
52.6526

 1.5070, 0.0000,
0.0000

 102.9811, 76.0409,
71.9763

 0.3306, 0.0000,
0.0000

 131.1492, 99.6857,
95.5293

 0.0000, 0.0000,
0.0000

 164.0355,

127.7847, 123.7302

202.0055,
160.7225, 156.9975

■ 20.1274, 11.1778,
9.2803

■ 20.1274, 11.1778,
9.2803

■ 19.2888, 10.1677,
6.9449

■ 21.3076, 12.7478,
12.1109

■ 18.7252, 9.5898,
5.0629

■ 22.8659, 14.9443,
15.4663

■ 18.6741, 9.5380,
4.8912

■ 24.8343, 17.8265,
19.3743

■ 27.2415, 21.4460,
23.8601

■ 30.1131, 25.8496,
28.9473

■ 33.4730, 31.0802,
34.6580

■ 37.3431, 37.1774,
41.0132

■ 41.7442, 44.1785,
48.0329

■ 46.6958, 52.1184,
55.7361

Harmonies

Analogous

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



19.4272, 11.1778, 22.2018



20.1274, 11.1778, 9.2803



17.8259, 11.1778, 3.0209

Triad

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



20.1274, 11.1778, 9.2803



6.5565, 11.1778, 1.8048



8.0392, 11.1778, 45.9494

Complementary

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



20.1274, 11.1778, 9.2803



20.3186, 33.0561, 26.4324

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.



5.6822, 11.1778, 31.4012



20.1274, 11.1778, 9.2803



4.9867, 11.1778, 5.7343

Square

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



20.1274, 11.1778, 9.2803



9.5601, 11.1778, 0.8100



4.7124, 11.1778, 15.6065



11.7644, 11.1778, 49.2380

Rectangle

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



20.1274, 11.1778, 9.2803



15.1712, 11.1778, 1.4308



4.7124, 11.1778, 15.6065



7.0907, 11.1778, 41.9137

Sweetspot

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



20.1277, 11.1784, 9.2805



57.2763, 51.0095, 57.0717



17.6538, 9.1782, 41.9152



11.9680, 10.3644, 11.6061



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.1277, 11.1784, 9.2805



34.1833, 17.6249, 9.9091



19.8636, 12.6139, 3.1390



8.6085, 8.5501, 9.4366



13.7262, 7.0080, 3.7180



0.4596, 0.2316, 0.2628

Inverse Universe

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



20.1277, 11.1784, 9.2805



34.1833, 17.6249, 9.9091



19.9640, 26.2566, 45.0899



8.6085, 8.5501, 9.4366



13.7262, 7.0080, 3.7180



0.4596, 0.2316, 0.2628

Previews

White Background



This preview shows how the XYZ color 20.1274, 11.1778, 9.2803 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 20.1274, 11.1778, 9.2803 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 20.1274, 11.1778, 9.2803

Background



This preview shows how black text looks on a background with the XYZ color 20.1274, 11.1778, 9.2803.



This preview shows how white text looks on a background with the XYZ color 20.1274, 11.1778,

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

20.1274, 11.1778, 9.2803

Protanopia

11.2977, 11.4218, 17.2320

Deuteranopia

11.6011, 11.3835, 8.4233



Tritanopia

18.9661, 11.1661, 3.9519

Trichromacy



Original Color

20.1274, 11.1778, 9.2803

Protanomaly

12.8069, 9.8620, 13.7989

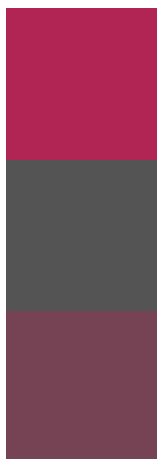
Deuteranomaly

13.6562, 10.2219, 8.6504

Tritanomaly

19.3854, 11.1786, 5.5508

Monochromacy



Original Color

20.1274, 11.1778, 9.2803

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.9435, 8.4363, 9.4391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1274, 11.1778, 9.2803 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(176, 37, 83)` looks like.

```
.text, #text, p{  
    color:rgb(176, 37, 83)  
}
```

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(176, 37, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 37, 83) }
```

Border

The CSS property to change the border of an element to XYZ 20.1274, 11.1778, 9.2803 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(176, 37, 83) }
```


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

```
.border{ border-color:rgb(176, 37, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 37, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 37, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 37, 83);  
box-shadow:4px 4px 4px 4px rgb(176, 37,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1274, 11.1778, 9.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 37, 83) }
```

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

```
.background{ background-color: rgb(176, 37,  
83) }
```

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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