

Converting Colors

XYZ(20.3979, 11.4969, 8.6741)

Have a look what the booklet for
XYZ(20.3979, 11.4969, 8.6741)
contains.

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Color

**XYZ(20.3382, 11.4439,
8.7264)**

Conversions

Conversions Part 1

Format	Color
Hex	B12850
RGB	177, 40, 80
RGB Percent	69%, 16%, 31%
CMY	0.3059, 0.8431, 0.6863
CMYK	0.00, 0.77, 0.55, 0.31
HSL	342°, 63%, 43%
HSV	342°, 77%, 69%
XYZ	20.3382, 11.4439, 8.7264
YIQ	85.5230, 68.8120, 41.4840

Conversions

Conversions Part 2

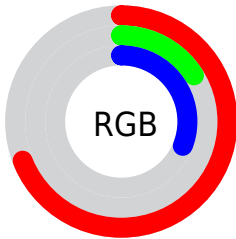
Format	Color
R_{YB}	177, 40, 80
Decimal	11610192
CIE _{Lab}	40.32, 56.31, 10.87
CIE _{LCh}	40, 57.351, 10.927
Yxy	11.4439, 0.5021, 0.2825
Android (android.graphics.Color)	4289800272 (0xFFB12850)
YUV	85.5230, -2.7228, 80.2253
Hunter-Lab	33.8288, 48.1154, 8.3859

Details

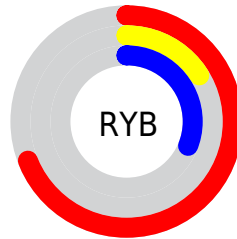
The XYZ color **20.3382, 11.4439, 8.7264** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.1136, 33.7018, 29.0629**, and the grayscale version is **8.7408, 9.1961, 10.0145**.

A 20% lighter version of the original color is **43.5900, 28.4975, 23.9720**, and **7.7897, 3.9789, 2.0265** is the 20% darker color. If you saturate the color by 10%, you get **19.4514, 10.3437, 6.3554**, and if you desaturate by 10%, it is **21.5850, 13.1262, 11.6439**.

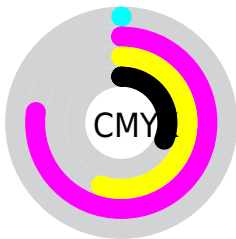
Distribution



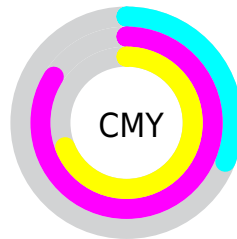
- Red (69%)
- Green (16%)
- Blue (31%)



- Red (69%)
- Yellow (16%)
- Blue (31%)



- Cyan (0%)
- Magenta (77%)
- Yellow (55%)
- Black (31%)





- Cyan (31%)
- Magenta (84%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3382, 11.4439, 8.7264 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 20.3382, 11.4439, 8.7264 by changing the saturation by 10% instead.


 20.3382, 11.4439,
8.7264

 20.3382, 11.4439,
8.7264


246.5390,
200.6882, 191.4658


 12.7508, 6.3662,
4.4688


 43.4831, 28.4781,
23.9399


 7.3330, 3.0690,
1.8859


 59.7713, 41.2035,
35.7329


 3.7194, 1.1679,
0.4837

 79.6906, 57.2469,
50.8747

 1.5446, 0.0352,
0.0000

 103.6061, 76.9927,
69.7840

 0.3559, 0.0000,
0.0000

 131.8834,
100.8254, 92.8792

 0.0000, 0.0000,
0.0000

 164.8877,

129.1292, 120.5788

202.9845,
162.2887, 153.3016

■ 20.3382, 11.4439,
8.7264

■ 20.3382, 11.4439,
8.7264

■ 19.4514, 10.3437,
6.3554

■ 21.5850, 13.1262,
11.6439

■ 18.8694, 9.7224,
4.4883

■ 23.2286, 15.4564,
15.1416

■ 18.7438, 9.5920,
4.0735

■ 25.3017, 18.4937,
19.2511

■ 27.8333, 22.2899,
24.0012

■ 30.8499, 26.8920,
29.4186

■ 34.3758, 32.3430,
35.5288

■ 38.4337, 38.6831,
42.3557

■ 43.0448, 45.9497,
49.9219

■ 48.2293, 54.1781,
58.2492

Harmonies

Analogous

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



19.9110, 11.4439, 21.1573



20.3382, 11.4439, 8.7264



17.8033, 11.4439, 2.8713

Triad

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



20.3382, 11.4439, 8.7264



6.5681, 11.4439, 2.1158



8.5474, 11.4439, 47.1423

Complementary

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



20.3382, 11.4439, 8.7264



21.1136, 33.7018, 29.0629

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.



6.0302, 11.4439, 33.2421



20.3382, 11.4439, 8.7264



5.0968, 11.4439, 6.5486

Square

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



20.3382, 11.4439, 8.7264



9.4802, 11.4439, 0.9231



4.9277, 11.4439, 17.1316



12.4048, 11.4439, 49.1409

Rectangle

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



20.3382, 11.4439, 8.7264



15.0697, 11.4439, 1.4109



4.9277, 11.4439, 17.1316



7.5446, 11.4439, 43.4325

Sweetspot

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



20.3385, 11.4446, 8.7266



57.6670, 51.8835, 56.9163



18.8325, 9.9187, 42.5166



12.0334, 10.5291, 11.5232



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.



20.3385, 11.4446, 8.7266



34.0476, 17.6683, 8.8934



20.5461, 13.5634, 3.5436



8.5950, 8.5447, 9.3658



13.6041, 6.9592, 3.0750



0.4541, 0.2294, 0.2341

Inverse Universe

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



20.3385, 11.4446, 8.7266



34.0476, 17.6683, 8.8934



19.6542, 25.3114, 45.4444



8.5950, 8.5447, 9.3658



13.6041, 6.9592, 3.0750



0.4541, 0.2294, 0.2341

Previews

White Background



This preview shows how the XYZ color 20.3382, 11.4439, 8.7264 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 20.3382, 11.4439, 8.7264 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 20.3382, 11.4439, 8.7264

Background



This preview shows how black text looks on a background with the XYZ color 20.3382, 11.4439, 8.7264.



This preview shows how white text looks on a background with the XYZ color 20.3382, 11.4439,

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

20.3382, 11.4439, 8.7264

Protanopia

11.4151, 11.6468, 15.8338

Deuteranopia

11.8398, 11.6460, 7.9272



Tritanopia

19.4754, 11.4849, 4.0961

Trichromacy



Original Color

20.3382, 11.4439, 8.7264

Protanomaly

13.0329, 10.1991, 12.8370

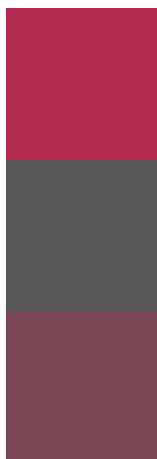
Deuteranomaly

13.8404, 10.5211, 8.1388

Tritanomaly

19.6208, 11.3577, 5.4331

Monochromacy



Original Color

20.3382, 11.4439, 8.7264

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.3361, 8.8183, 9.4921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3382, 11.4439, 8.7264 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(177, 40, 80)` looks like.

```
.text, #text, p{  
  color:rgb(177, 40, 80)  
}
```

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(177, 40, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 40, 80) }
```

Border

The CSS property to change the border of an element to XYZ 20.3382, 11.4439, 8.7264 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(177, 40, 80) }
```


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

```
.border{ border-color:rgb(177, 40, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 40, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 40, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 40, 80);  
box-shadow:4px 4px 4px 4px rgb(177, 40,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3382, 11.4439, 8.7264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 40, 80) }
```

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

```
.background{ background-color: rgb(177, 40,  
80) }
```

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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