

Converting Colors

XYZ(20.0100, 10.2875, 2.2039)

Have a look what the booklet for
XYZ(20.0100, 10.2875, 2.2039)
contains.

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Color

**XYZ(20.0145, 10.2893,
2.2275)**

Conversions

Conversions Part 1

Format	Color
Hex	B8001F
RGB	184, 0, 31
RGB Percent	72%, 0%, 12%
CMY	0.2784, 0.9999, 0.8784
CMYK	0.00, 1.00, 0.83, 0.28
HSL	350°, 100%, 36%
HSV	350°, 100%, 72%
XYZ	20.0145, 10.2893, 2.2275
YIQ	58.5500, 99.7130, 48.6490

Conversions

Conversions Part 2

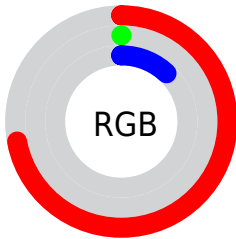
Format	Color
RYB	184, 0, 31
Decimal	12058655
CIELab	38.36, 63.17, 39.02
CIELCh	38, 74.250, 31.703
Yxy	10.2893, 0.6152, 0.3163
Android (android.graphics.Color)	4290248735 (0xFFB8001F)
YUV	58.5500, -13.5821, 110.0196
Hunter-Lab	32.0769, 55.2410, 18.3366

Details

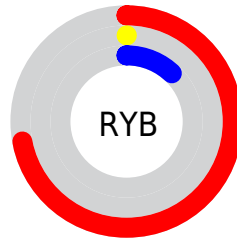
The XYZ color **20.0145, 10.2893, 2.2275** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **22.8933, 36.5820, 36.0060**, and the grayscale version is **4.1067, 4.3206, 4.7051**.

A 20% lighter version of the original color is **42.9583, 26.3631, 9.6619**, and **7.8852, 4.0649, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **20.0140, 10.2890, 2.2255**, and if you desaturate by 10%, it is **20.4896, 10.8368, 3.6280**.

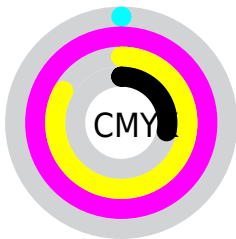
Distribution



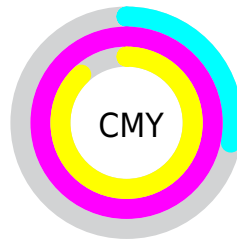
- Red (72%)
- Green (0%)
- Blue (12%)



- Red (72%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (28%)



- Cyan (28%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0145, 10.2893, 2.2275 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 20.0145, 10.2893, 2.2275 by changing the saturation by 10% instead.

■ 20.0145, 10.2893,
2.2275

■ 20.0145, 10.2893,
2.2275

244.8257,
192.7246, 125.8150

■ 12.5139, 5.5912,
0.6902

■ 42.9452, 26.3382,
9.6539

■ 7.1694, 2.5981,
0.0000

■ 59.1061, 38.4579,
16.4053

■ 3.6155, 0.9257,
0.0000

■ 78.8845, 53.8201,
25.7401

■ 1.4870, 0.0000,
0.0000

■ 102.6456, 72.8094,
38.0769


■ 0.3170, 0.0000,
0.0000


■ 130.7550, 95.8101,
53.8342


■ 0.0000, 0.0000,
0.0000


■ 163.5779,


123.2066, 73.4307


 201.4796,
155.3833, 97.2848


 20.0145, 10.2893,
2.2275


 20.0145, 10.2893,
2.2275


 20.0140, 10.2890,
2.2255

 20.4896, 10.8368,
3.6280

 21.2822, 11.8466,
5.6659

 22.4807, 13.4795,
8.4213

 24.1325, 15.8156,
11.9546

 26.2782, 18.9230,
16.3198

■ 28.9537, 22.8616,
21.5657

■ 32.1916, 27.6857,
27.7376

■ 36.0220, 33.4446,
34.8773

■ 40.4726, 40.1842,
43.0244

Harmonies

Analogous

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



22.3280, 10.2893, 10.4306



20.0145, 10.2893, 2.2275



14.8825, 10.2893, 0.0528

Triad

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



20.0145, 10.2893, 2.2275



3.6649, 10.2893, 2.7277



10.0585, 10.2893, 64.4611

Complementary

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



20.0145, 10.2893, 2.2275



22.8933, 36.5820, 36.0060

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.



6.0011, 10.2893, 54.8079



20.0145, 10.2893, 2.2275



3.1191, 10.2893, 12.0132

Square

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



20.0145, 10.2893, 2.2275



5.6622, 10.2893, 0.2070



3.8104, 10.2893, 31.8311



15.5246, 10.2893, 52.5593

Rectangle

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



20.0145, 10.2893, 2.2275



11.1837, 10.2893, 0.0000



3.8104, 10.2893, 31.8311



8.4983, 10.2893, 63.6077

Sweetspot

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



20.0147, 10.2900, 2.2276



58.0247, 49.6916, 49.6567



21.2799, 9.9713, 46.1501



11.9571, 9.8883, 9.6591



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.



20.0147, 10.2900, 2.2276



36.2224, 18.6284, 3.7251



21.2949, 13.2458, 1.4353



9.0647, 9.0362, 9.6879



13.8119, 7.0985, 1.6302



0.5061, 0.2579, 0.1587

Inverse Universe

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



20.0147, 10.2900, 2.2276



36.2224, 18.6284, 3.7251



16.0803, 18.3172, 48.0351



9.0647, 9.0362, 9.6879



13.8119, 7.0985, 1.6302



0.5061, 0.2579, 0.1587

Previews

White Background



This preview shows how the XYZ color 20.0145, 10.2893, 2.2275 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 20.0145, 10.2893, 2.2275

Background



This preview shows how black text looks on a background with the XYZ color 20.0145, 10.2893, 2.2275.



This preview shows how white text looks on a background with the XYZ color 20.0145, 10.2893,

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

20.0145, 10.2893, 2.2275

Protanopia

10.0622, 10.9340, 4.4859

Deuteranopia

11.0213, 10.8552, 1.8310



Tritanopia

19.7137, 10.4379, 0.9757

Trichromacy



Original Color

20.0145, 10.2893, 2.2275

Protanomaly

11.4976, 8.2006, 3.1674

Deuteranomaly

12.6787, 8.6228, 1.5684

Tritanomaly

19.6974, 10.3085, 1.2682

Monochromacy



Original Color

20.0145, 10.2893, 2.2275

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.9564, 4.5510, 3.4175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0145, 10.2893, 2.2275 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, 0, 31)` looks like.

```
.text, #text, p{  
    color:rgb(184, 0, 31)  
}
```

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, 0, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 31) }
```

Border

The CSS property to change the border of an element to XYZ 20.0145, 10.2893, 2.2275 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, 0, 31) }
```


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

```
.border{ border-color:rgb(184, 0, 31) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(184, 0, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0145, 10.2893, 2.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 31) }
```

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

```
.background{ background-color: rgb(184, 0,  
31) }
```

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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