

Converting Colors

XYZ(20.1169, 10.3760, 2.5312)

Have a look what the booklet for
XYZ(20.1169, 10.3760, 2.5312)
contains.

XYZ(20.1031, 10.3768, 2.5335)	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(20.1031, 10.3768,
2.5335)**

Conversions

Conversions Part 1

Format	Color
Hex	B80323
RGB	184, 3, 35
RGB Percent	72%, 1%, 14%
CMY	0.2784, 0.9881, 0.8627
CMYK	0.00, 0.98, 0.81, 0.28
HSL	349°, 97%, 37%
HSV	349°, 98%, 72%
XYZ	20.1031, 10.3768, 2.5335
YIQ	60.7670, 97.6040, 48.3240

Conversions

Conversions Part 2

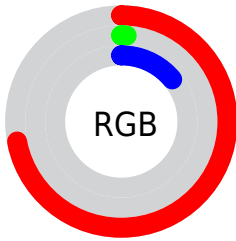
Format	Color
RYB	184, 3, 35
Decimal	12059427
CIELab	38.51, 62.95, 36.89
CIElCh	39, 72.958, 30.370
Yxy	10.3768, 0.6089, 0.3143
Android (android.graphics.Color)	4290249507 (0xFFB80323)
YUV	60.7670, -12.7031, 108.0753
Hunter-Lab	32.2130, 55.0232, 17.8861

Details

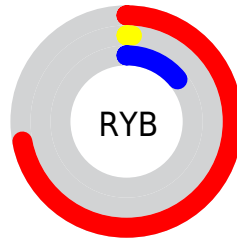
The XYZ color **20.1031, 10.3768, 2.5335** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.8484, 36.5683, 35.5734**, and the grayscale version is **4.4127, 4.6425, 5.0557**.

A 20% lighter version of the original color is **43.1767, 26.5702, 10.4423**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.0346, 10.2973, 2.3343**, and if you desaturate by 10%, it is **20.6222, 10.9742, 4.0660**.

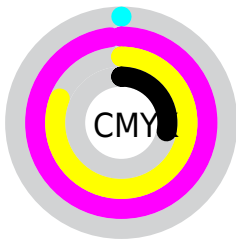
Distribution



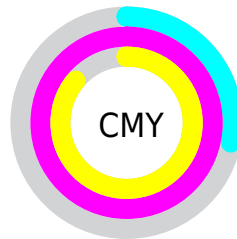
- Red (72%)
- Green (1%)
- Blue (14%)



- Red (72%)
- Yellow (1%)
- Blue (14%)



- Cyan (0%)
- Magenta (98%)
- Yellow (81%)
- Black (28%)





- Cyan (28%)
- Magenta (99%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1031, 10.3768, 2.5335 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 20.1031, 10.3768, 2.5335 by changing the saturation by 10% instead.


 20.1031, 10.3768,
2.5335


 20.1031, 10.3768,
2.5335


245.2956,
193.3406, 130.1773


 12.5787, 5.6495,
0.8578


 43.0926, 26.5019,
10.4538


 7.2141, 2.6331,
0.0000


 59.2884, 38.6684,
17.5394


 3.6439, 0.9434,
0.0000

 79.1054, 54.0835,
27.2667

 1.5027, 0.0000,
0.0000

 102.9090, 73.1315,
40.0542


 0.3277, 0.0000,
0.0000


 131.0644, 96.1968,
56.3205


 0.0000, 0.0000,
0.0000


 163.9371,


123.6638, 76.4841


 201.8924,
155.9170, 100.9635


 20.1031, 10.3768,
2.5335


 20.1031, 10.3768,
2.5335


 20.0346, 10.2973,
2.3343

 20.6222, 10.9742,
4.0660

 21.4830, 12.0817,
6.2464

 22.7565, 13.8257,
9.1460

 24.4881, 16.2839,
12.8222

 26.7176, 19.5227,
17.3265

■ 29.4798, 23.6009,
22.7059

■ 32.8068, 28.5718,
29.0037

■ 36.7279, 34.4841,
36.2604

■ 41.2704, 41.3830,
44.5141

Harmonies

Analogous

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



22.1984, 10.3768, 11.1296



20.1031, 10.3768, 2.5335



15.1383, 10.3768, 0.2083

Triad

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



20.1031, 10.3768, 2.5335



3.8382, 10.3768, 2.6436



9.9222, 10.3768, 63.3214

Complementary

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



20.1031, 10.3768, 2.5335



22.8484, 36.5683, 35.5734

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.



5.9821, 10.3768, 53.0752



20.1031, 10.3768, 2.5335



3.2329, 10.3768, 11.4692

Square

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



20.1031, 10.3768, 2.5335



5.9088, 10.3768, 0.2412



3.8699, 10.3768, 30.5059



15.2753, 10.3768, 52.6005

Rectangle

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



20.1031, 10.3768, 2.5335



11.4811, 10.3768, 0.0000



3.8699, 10.3768, 30.5059



8.4043, 10.3768, 62.1603

Sweetspot

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



20.1033, 10.3775, 2.5336



58.0858, 49.7160, 49.9785



21.4141, 10.0888, 46.1658



11.9712, 9.8940, 9.7333



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.



20.1033, 10.3775, 2.5336



36.2575, 18.6424, 3.9102



21.4173, 13.4642, 1.5571



9.0677, 9.0374, 9.7037



13.8268, 7.1045, 1.7087



0.5074, 0.2584, 0.1654

Inverse Universe

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



20.1033, 10.3775, 2.5336



36.2575, 18.6424, 3.9102



16.2394, 18.5799, 48.0774



9.0677, 9.0374, 9.7037



13.8268, 7.1045, 1.7087



0.5074, 0.2584, 0.1654

Previews

White Background



This preview shows how the XYZ color 20.1031, 10.3768, 2.5335 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 20.1031, 10.3768, 2.5335

Background



This preview shows how black text looks on a background with the XYZ color 20.1031, 10.3768, 2.5335.



This preview shows how white text looks on a background with the XYZ color 20.1031, 10.3768,

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

20.1031, 10.3768, 2.5335

Protanopia

10.0834, 10.9293, 5.1925

Deuteranopia

10.9521, 10.8119, 2.1715



Tritanopia

19.7137, 10.4379, 0.9757

Trichromacy



Original Color

20.1031, 10.3768, 2.5335

Protanomaly

11.6651, 8.3507, 3.7933

Deuteranomaly

12.6231, 8.6592, 1.9258

Tritanomaly

19.7208, 10.3357, 1.3364

Monochromacy



Original Color

20.1031, 10.3768, 2.5335

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.3225, 4.8297, 3.7951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1031, 10.3768, 2.5335 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, 3, 35)` looks like.

```
.text, #text, p{  
  color:rgb(184, 3, 35)  
}
```

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, 3, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 3, 35) }
```

Border

The CSS property to change the border of an element to XYZ 20.1031, 10.3768, 2.5335 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, 3, 35) }
```


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

```
.border{ border-color:rgb(184, 3, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 3, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 3, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 3, 35);  
box-shadow:4px 4px 4px 4px rgb(184, 3, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1031, 10.3768, 2.5335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 3, 35) }
```

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

```
.background{ background-color: rgb(184, 3,  
35) }
```

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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