

Converting Colors

XYZ(20.2688, 11.0994, 1.5677)

Have a look what the booklet for
XYZ(20.2688, 11.0994, 1.5677)
contains.

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Color

**XYZ(20.3001, 11.1065,
1.5640)**

Conversions

Conversions Part 1

Format	Color
Hex	B81D10
RGB	184, 29, 16
RGB Percent	72%, 11%, 6%
CMY	0.2784, 0.8862, 0.9373
CMYK	0.00, 0.84, 0.91, 0.28
HSL	5°, 84%, 39%
HSV	5°, 91%, 72%
XYZ	20.3001, 11.1065, 1.5640
YIQ	73.8630, 96.5530, 28.8170

Conversions

Conversions Part 2

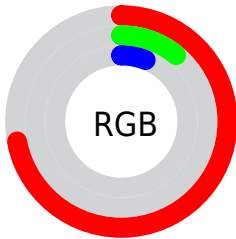
Format	Color
RYB	184, 30, 16
Decimal	12066064
CIELab	39.76, 58.53, 47.52
CIELCh	40, 75.394, 39.071
Yxy	11.1065, 0.6157, 0.3369
Android (android.graphics.Color)	4290256144 (0xFFB81D10)
YUV	73.8630, -28.5265, 96.5901
Hunter-Lab	33.3264, 50.4084, 20.5460

Details

The XYZ color **20.3001, 11.1065, 1.5640** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.4252, 32.6905, 50.4224**, and the grayscale version is **6.5229, 6.8626, 7.4733**.

A 20% lighter version of the original color is **43.3497, 27.7975, 7.7833**, and **7.8852, 4.0649, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **19.9276, 10.5113, 0.9786**, and if you desaturate by 10%, it is **21.0382, 12.2613, 2.8016**.

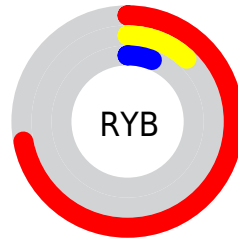
Distribution



Red (72%)

Green (11%)

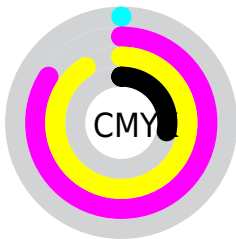
Blue (6%)



Red (72%)

Yellow (12%)

Blue (6%)

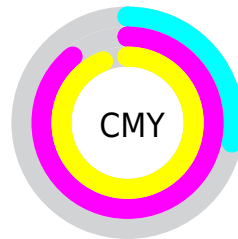


Cyan (0%)

Magenta (84%)

Yellow (91%)

Black (28%)



Cyan (28%)


Magenta (89%)


Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3001, 11.1065, 1.5640 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 20.3001, 11.1065, 1.5640 by changing the saturation by 10% instead.


 20.3001, 11.1065,
1.5640


 20.3001, 11.1065,
1.5640


 246.3379,
198.3968, 115.1902


 12.7229, 6.1385,
0.2649


 43.4199, 27.8569,
7.8104


 7.3137, 2.9295,
0.0000


 59.6932, 40.4082,
13.7502


 3.7071, 1.0950,
0.0000

 79.5958, 56.2560,
22.1258

 1.5378, 0.0000,
0.0000

 103.4933, 75.7847,
33.3558

 0.3513, 0.0000,
0.0000


 131.7509, 99.3787,
47.8587


 0.0000, 0.0000,
0.0000


 164.7339,


127.4225, 66.0530


 202.8078,
160.3004, 88.3574


 20.3001, 11.1065,
1.5640


 20.3001, 11.1065,
1.5640

 19.9276, 10.5113,
0.9786

 21.0382, 12.2613,
2.8016

 22.1806, 13.9966,
4.8766

 23.7750, 16.3762,
7.9027

 25.8622, 19.4550,
11.9758

 28.4785, 23.2823,
17.1802

■ 31.6566, 27.9025,
23.5913

■ 35.4267, 33.3570,
31.2784

■ 39.8168, 39.6839,
40.3052

■ 44.8532, 46.9192,
50.7314

Harmonies

Analogous

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



23.7194, 11.1065, 8.1392



20.3001, 11.1065, 1.5640



14.5176, 11.1065, 0.0000

Triad

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



20.3001, 11.1065, 1.5640



3.7306, 11.1065, 4.5111



12.2014, 11.1065, 67.5640

Complementary

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



20.3001, 11.1065, 1.5640



23.4252, 32.6905, 50.4224

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.



7.3905, 11.1065, 62.8863



20.3001, 11.1065, 1.5640



3.4713, 11.1065, 17.1561

Square

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



20.3001, 11.1065, 1.5640



5.4513, 11.1065, 0.7003



4.5695, 11.1065, 40.3500



18.1375, 11.1065, 50.3605

Rectangle

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



20.3001, 11.1065, 1.5640



10.7183, 11.1065, 0.0000



4.5695, 11.1065, 40.3500



10.3961, 11.1065, 68.6787

Sweetspot

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



20.3003, 11.1072, 1.5642



59.8897, 54.2077, 47.8543



27.4758, 13.5702, 40.6048



12.4358, 10.9977, 9.3502



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.



20.3003, 11.1072, 1.5642



36.0591, 18.9242, 1.7522



25.5668, 21.6402, 3.3197



9.0590, 9.1210, 9.3900



13.7555, 7.2873, 0.6816



0.5038, 0.2948, 0.0303

Inverse Universe

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



23.4252, 32.6905, 50.4224



41.5742, 58.0546, 91.2191



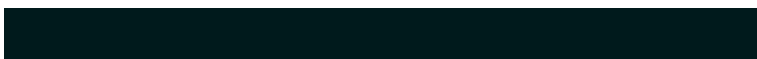
12.4211, 10.6823, 46.7544



9.2056, 10.0883, 11.5415



15.8602, 22.1801, 34.6983



0.5769, 0.8174, 1.2291

Previews

White Background



This preview shows how the XYZ color 20.3001, 11.1065, 1.5640 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 20.3001, 11.1065, 1.5640

Background



This preview shows how black text looks on a background with the XYZ color 20.3001, 11.1065, 1.5640.



This preview shows how white text looks on a background with the XYZ color 20.3001, 11.1065,

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

20.3001, 11.1065, 1.5640

Protanopia

10.4029, 11.4091, 2.9502

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

20.3689, 11.0954, 2.0454

Trichromacy



Original Color

20.3001, 11.1065, 1.5640

Protanomaly

12.4314, 9.7320, 2.2005

Deuteranomaly

13.4277, 9.9870, 1.3923

Tritanomaly

20.3272, 11.0788, 1.8261

Monochromacy



Original Color

20.3001, 11.1065, 1.5640

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

9.0951, 6.8606, 4.2130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3001, 11.1065, 1.5640 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, 29, 16)` looks like.

```
.text, #text, p{  
    color:rgb(184, 29, 16)  
}
```

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, 29, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 29, 16) }
```

Border

The CSS property to change the border of an element to XYZ 20.3001, 11.1065, 1.5640 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, 29, 16) }
```


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

```
.border{ border-color:rgb(184, 29, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 29, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 29, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 29, 16);  
box-shadow:4px 4px 4px 4px rgb(184, 29,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3001, 11.1065, 1.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 29, 16) }
```

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

```
.background{ background-color: rgb(184, 29,  
16) }
```

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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