

Converting Colors

XYZ(20.1762, 12.9266, 1.4317)

Have a look what the booklet for
XYZ(20.1762, 12.9266, 1.4317)
contains.

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Color

**XYZ(20.0827, 12.9102,
1.4334)**

Conversions

Conversions Part 1

Format	Color
Hex	B23E00
RGB	178, 62, 0
RGB Percent	70%, 24%, 0%
CMY	0.3020, 0.7568, 1.0000
CMYK	0.00, 0.65, 1.00, 0.30
HSL	21°, 100%, 35%
HSV	21°, 100%, 70%
XYZ	20.0827, 12.9102, 1.4334
YIQ	89.6160, 89.0380, 5.3100

Conversions

Conversions Part 2

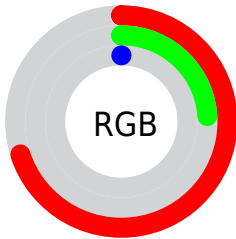
Format	Color
R_{YB}	178, 95, 0
Decimal	11681280
CIE _{Lab}	42.63, 45.10, 53.86
CIE _{LCh}	43, 70.247, 50.058
Yxy	12.9102, 0.5834, 0.3750
Android (android.graphics.Color)	4289871360 (0xFFB23E00)
YUV	89.6160, -44.1807, 77.5128
Hunter-Lab	35.9308, 36.8897, 22.7863

Details

The XYZ color **20.0827, 12.9102, 1.4334** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.2804, 15.7035, 44.3975**, and the grayscale version is **9.7146, 10.2205, 11.1301**.

A 20% lighter version of the original color is **43.1202, 31.2478, 7.5001**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **20.0829, 12.9109, 1.4336**, and if you desaturate by 10%, it is **20.8901, 14.3531, 2.2332**.

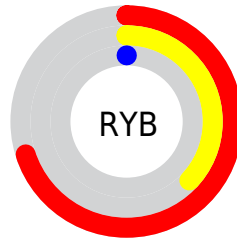
Distribution



Red (70%)

Green (24%)

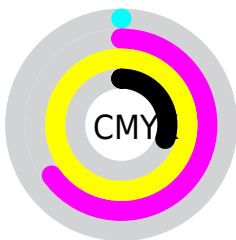
Blue (0%)



Red (70%)

Yellow (37%)

Blue (0%)

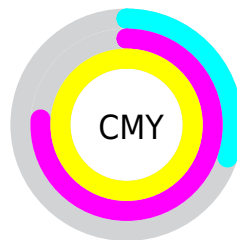


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0827, 12.9102, 1.4334 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 20.0827, 12.9102, 1.4334 by changing the saturation by 10% instead.


 20.0827, 12.9102,
1.4334


 20.0827, 12.9102,
1.4334


 245.1875,
210.3414, 112.8446


 12.5638, 7.3667,
0.1676


 43.0587, 31.1424,
7.4242


 7.2038, 3.6925,
0.0000


 59.2465, 44.5998,
13.1855

 3.6373, 1.5031,
0.0000

 79.0546, 61.4641,
21.3489

 1.4991, 0.2909,
0.0000

 102.8484, 82.1196,
32.3327


 0.3252, 0.0000,
0.0000


 130.9932,
106.9507, 46.5557


 0.0000, 0.0000,
0.0000


 163.8544,


136.3417, 64.4363


 201.7974,
170.6772, 86.3931


 20.0827, 12.9102,
1.4334


 20.0827, 12.9102,
1.4334


 20.0829, 12.9109,
1.4336

 20.8901, 14.3531,
2.2332

 21.9371, 16.1193,
3.5924

 23.2685, 18.2391,
5.7108

 24.9090, 20.7330,
8.6841

 26.8801, 23.6200,
12.5937

■ 29.2008, 26.9173,
17.5115

■ 31.8890, 30.6411,
23.5021

■ 34.9609, 34.8066,
30.6248

■ 38.4318, 39.4283,
38.9345

Harmonies

Analogous

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



24.6115, 12.9102, 6.2110



20.0827, 12.9102, 1.4334



14.1236, 12.9102, 0.3009

Triad

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



20.0827, 12.9102, 1.4334



4.6993, 12.9102, 9.5800



16.1256, 12.9102, 63.4674

Complementary

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



20.0827, 12.9102, 1.4334



14.2804, 15.7035, 44.3975

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.



10.5875, 12.9102, 67.1915



20.0827, 12.9102, 1.4334



4.9499, 12.9102, 26.6944

Square

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



20.0827, 12.9102, 1.4334



5.9785, 12.9102, 2.3880



6.8038, 12.9102, 50.6244



21.9073, 12.9102, 42.5153

Rectangle

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



20.0827, 12.9102, 1.4334



10.5690, 12.9102, 0.3026



6.8038, 12.9102, 50.6244



14.1461, 12.9102, 67.1623

Sweetspot

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



20.0830, 12.9110, 1.4336



57.5590, 55.1957, 42.0057



21.6697, 10.7888, 18.2883



12.2868, 11.5874, 8.2585



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.0830, 12.9110, 1.4336



36.2252, 23.0246, 2.5349



29.0022, 30.7493, 4.4067



8.7304, 8.9734, 8.9244



14.4236, 9.3458, 1.0437



0.5098, 0.4059, 0.0515

Inverse Universe

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



14.2804, 15.7035, 44.3975



25.6737, 28.0313, 80.4386



8.4917, 4.1261, 42.4680



8.4885, 9.1232, 10.8199



10.2784, 11.3572, 31.7874



0.3755, 0.4615, 1.0175

Previews

White Background



This preview shows how the XYZ color 20.0827, 12.9102, 1.4334 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 20.0827, 12.9102, 1.4334

Background



This preview shows how black text looks on a background with the XYZ color 20.0827, 12.9102, 1.4334.



This preview shows how white text looks on a background with the XYZ color 20.0827, 12.9102,

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

20.0827, 12.9102, 1.4334

Protanopia

11.8083, 13.1272, 2.5275

Deuteranopia

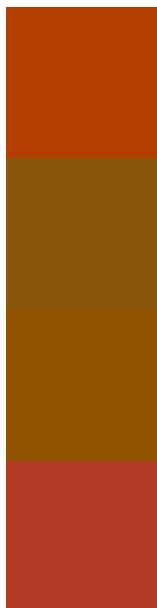
13.0850, 12.9549, 1.8109



Tritanopia

20.9458, 12.9467, 5.8099

Trichromacy



Original Color

20.0827, 12.9102, 1.4334

Protanomaly

13.7911, 12.1613, 1.9683

Deuteranomaly

15.0244, 12.4516, 1.6115

Tritanomaly

20.5206, 12.8581, 3.3198

Monochromacy



Original Color

20.0827, 12.9102, 1.4334

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.6332, 10.1703, 5.2208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0827, 12.9102, 1.4334 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(178, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 62, 0)  
}
```

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(178, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 62, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.0827, 12.9102, 1.4334 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(178, 62, 0) }
```


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

```
.border{ border-color:rgb(178, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 62, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0827, 12.9102, 1.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 62, 0) }
```

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

```
.background{ background-color: rgb(178, 62,  
0) }
```

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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