

Converting Colors

XYZ(20.1235, 12.4367, 4.3926)

Have a look what the booklet for
XYZ(20.1235, 12.4367, 4.3926)
contains.

XYZ(20.1214, 12.4057, 4.3516)	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(20.1214, 12.4057,
4.3516)**

Conversions

Conversions Part 1

Format	Color
Hex	B13832
RGB	177, 56, 50
RGB Percent	69%, 22%, 20%
CMY	0.3059, 0.7804, 0.8039
CMYK	0.00, 0.68, 0.72, 0.31
HSL	3°, 56%, 45%
HSV	3°, 72%, 69%
XYZ	20.1214, 12.4057, 4.3516
YIQ	91.4950, 74.0420, 23.7860

Conversions

Conversions Part 2

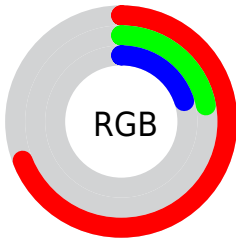
Format	Color
R _Y B	177, 56, 50
Decimal	11614258
CIE Lab	41.85, 48.63, 31.37
CIE LCh	42, 57.866, 32.826
Yxy	12.4057, 0.5456, 0.3364
Android (android.graphics.Color)	4289804338 (0xFFB13832)
YUV	91.4950, -20.4570, 74.9879
Hunter-Lab	35.2217, 40.3351, 17.3300

Details

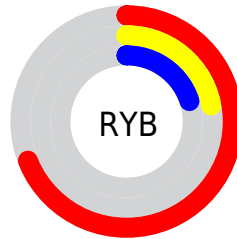
The XYZ color **20.1214, 12.4057, 4.3516** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.8128, 32.9757, 46.7048**, and the grayscale version is **10.0908, 10.6163, 11.5612**.

A 20% lighter version of the original color is **42.9935, 30.1921, 14.8709**, and **7.3635, 3.7929, 0.4876** is the 20% darker color. If you saturate the color by 10%, you get **19.1265, 10.9136, 2.4864**, and if you desaturate by 10%, it is **21.5397, 14.5088, 7.0862**.

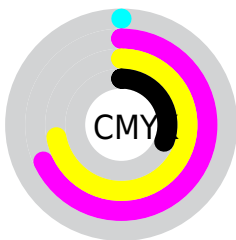
Distribution



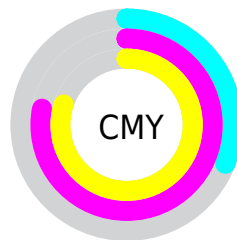
- Red (69%)
- Green (22%)
- Blue (20%)



- Red (69%)
- Yellow (22%)
- Blue (20%)



- Cyan (0%)
- Magenta (68%)
- Yellow (72%)
- Black (31%)





- Cyan (31%)
- Magenta (78%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1214, 12.4057, 4.3516 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 20.1214, 12.4057, 4.3516 by changing the saturation by 10% instead.


 20.1214, 12.4057,
4.3516


 20.1214, 12.4057,
4.3516


245.3926,
207.0729, 152.0567


 12.5921, 7.0206,
1.8201


 43.1230, 30.2319,
14.8129


 7.2233, 3.4750,
0.4412


 59.3260, 43.4418,
23.5798


 3.6497, 1.3845,
0.0000


 79.1510, 60.0287,
35.2622

 1.5059, 0.2052,
0.0000

 102.9633, 80.3771,
50.2787

 0.3299, 0.0000,
0.0000

 131.1282,
104.8713, 69.0479

 0.0000, 0.0000,
0.0000

 164.0112,

133.8957, 91.9883

201.9776,
167.8348, 119.5184

■ 20.1214, 12.4057,
4.3516

■ 20.1214, 12.4057,
4.3516

■ 19.1265, 10.9136,
2.4864

■ 21.5397, 14.5088,
7.0862

■ 18.5072, 9.9651,
1.3852

■ 23.4207, 17.2767,
10.7783

■ 18.2223, 9.5288,
0.8788

■ 25.8003, 20.7596,
15.5056

■ 28.7103, 25.0026,
21.3378

■ 32.1803, 30.0468,
28.3386

■ 36.2373, 35.9304,
36.5668

■ 40.9068, 42.6894,
46.0773

■ 46.2127, 50.3574,
56.9215

■ 52.1777, 58.9663,
69.1482

Harmonies

Analogous

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



22.0366, 12.4057, 12.3816



20.1214, 12.4057, 4.3516



15.9513, 12.4057, 1.5307

Triad

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



20.1214, 12.4057, 4.3516



5.8926, 12.4057, 5.3648



12.2006, 12.4057, 53.2194

Complementary

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



20.1214, 12.4057, 4.3516



23.8128, 32.9757, 46.7048

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.



8.4257, 12.4057, 47.0712



20.1214, 12.4057, 4.3516



5.3461, 12.4057, 14.7001

Square

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



20.1214, 12.4057, 4.3516



7.8778, 12.4057, 1.8184



6.1511, 12.4057, 30.6789



16.8241, 12.4057, 44.4572

Rectangle

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



20.1214, 12.4057, 4.3516



12.8463, 12.4057, 1.0327



6.1511, 12.4057, 30.6789



10.7956, 12.4057, 52.8326

Sweetspot

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



20.1217, 12.4064, 4.3518



57.2155, 53.2053, 49.9072



26.7923, 14.6364, 40.8298



12.0276, 10.9902, 10.0640



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.



20.1217, 12.4064, 4.3518



33.5445, 18.4636, 3.1716



25.1543, 22.4716, 6.0293



8.5275, 8.5676, 8.8568



13.2154, 6.9294, 0.6410



0.4264, 0.2393, 0.0237

Inverse Universe

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



23.8128, 32.9757, 46.7048



40.4490, 57.2673, 83.4171



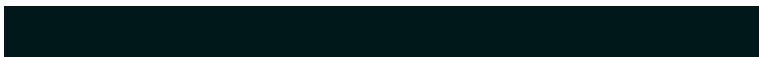
14.7484, 14.8467, 43.6833



8.7075, 9.5613, 10.8929



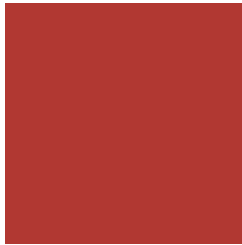
15.9922, 22.7848, 33.6920



0.5136, 0.7378, 1.0636

Previews

White Background



This preview shows how the XYZ color 20.1214, 12.4057, 4.3516 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 20.1214, 12.4057, 4.3516

Background



This preview shows how black text looks on a background with the XYZ color 20.1214, 12.4057, 4.3516.



This preview shows how white text looks on a background with the XYZ color 20.1214, 12.4057,

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

20.1214, 12.4057, 4.3516

Protanopia

11.6956, 12.6841, 6.8329

Deuteranopia

12.8404, 12.6439, 4.0493



Tritanopia

20.2614, 12.3850, 5.3256

Trichromacy



Original Color

20.1214, 12.4057, 4.3516

Protanomaly

13.6588, 11.6534, 5.8044

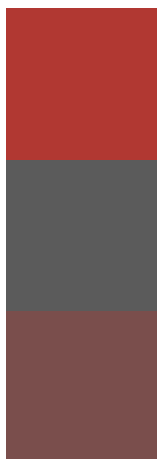
Deuteranomaly

14.7633, 11.9218, 4.1078

Tritanomaly

20.1872, 12.3553, 4.9353

Monochromacy



Original Color

20.1214, 12.4057, 4.3516

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.0549, 10.1082, 8.1532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1214, 12.4057, 4.3516 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, 56, 50)` looks like.

```
.text, #text, p{  
    color:rgb(177, 56, 50)  
}
```

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, 56, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 56, 50) }
```

Border

The CSS property to change the border of an element to XYZ 20.1214, 12.4057, 4.3516 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, 56, 50) }
```


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

```
.border{ border-color:rgb(177, 56, 50) }
```

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

Here you see how a box with a 4 pixel rgb(177, 56, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 56, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 56, 50);  
box-shadow:4px 4px 4px 4px rgb(177, 56,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1214, 12.4057, 4.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 56, 50) }
```

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

```
.background{ background-color: rgb(177, 56,  
50) }
```

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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