

Converting Colors

XYZ(20.9169, 13.4478, 4.0780)

Have a look what the booklet for
XYZ(20.9169, 13.4478, 4.0780)
contains.

XYZ(20.9169, 13.4478, 4.0780)	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(20.9169, 13.4478,
4.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	B3402E
RGB	179, 64, 46
RGB Percent	70%, 25%, 18%
CMY	0.2980, 0.7490, 0.8196
CMYK	0.00, 0.64, 0.74, 0.30
HSL	8°, 59%, 44%
HSV	8°, 74%, 70%
XYZ	20.9169, 13.4478, 4.0780
YIQ	96.3330, 74.3180, 18.7820

Conversions

Conversions Part 2

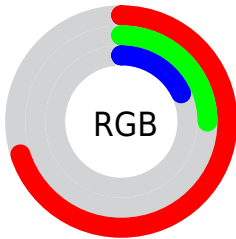
Format	Color
R _Y B	179, 67, 46
Decimal	11747374
CIE Lab	43.43, 45.71, 35.55
CIE LCh	43, 57.905, 37.876
Yxy	13.4478, 0.5441, 0.3498
Android (android.graphics.Color)	4289937454 (0xFFB3402E)
YUV	96.3330, -24.8142, 72.4990
Hunter-Lab	36.6712, 37.6399, 19.0766

Details

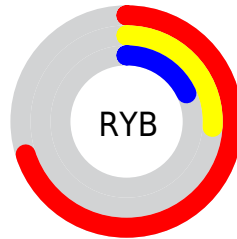
The XYZ color **20.9169, 13.4478, 4.0780** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **22.0067, 29.3223, 47.1472**, and the grayscale version is **11.2457, 11.8314, 12.8844**.

A 20% lighter version of the original color is **44.6127, 32.2137, 14.2224**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **19.8798, 11.8256, 2.3397**, and if you desaturate by 10%, it is **22.3438, 15.6147, 6.6720**.

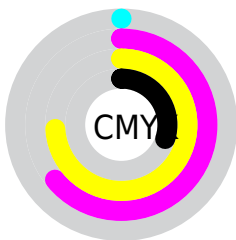
Distribution



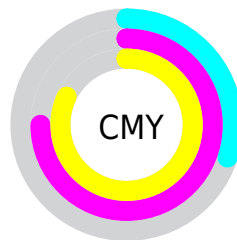
- Red (70%)
- Green (25%)
- Blue (18%)



- Red (70%)
- Yellow (26%)
- Blue (18%)



- Cyan (0%)
- Magenta (64%)
- Yellow (74%)
- Black (30%)





- Cyan (30%)
- Magenta (75%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9169, 13.4478, 4.0780 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 20.9169, 13.4478, 4.0780 by changing the saturation by 10% instead.


 20.9169, 13.4478,
4.0780


 20.9169, 13.4478,
4.0780


249.5766,
213.7680, 149.0884


 13.1754, 7.7376,
1.6682


 44.4415, 32.1060,
14.1893


 7.6273, 3.9275,
0.3388


 60.9553, 45.8227,
22.7278

 3.9072, 1.6331,
0.0000

 81.1239, 62.9772,
34.1464

 1.6498, 0.3798,
0.0000

 105.3127, 83.9537,
48.8635

 0.4245, 0.0000,
0.0000

 133.8870,
109.1366, 67.2978

 0.0000, 0.0000,
0.0000

 167.2122,

138.9103, 89.8676

205.6536,
173.6593, 116.9917

■ 20.9169, 13.4478,
4.0780

■ 20.9169, 13.4478,
4.0780

■ 19.8798, 11.8256,
2.3397

■ 22.3438, 15.6147,
6.6720

■ 19.1915, 10.6967,
1.3461

■ 24.1943, 18.3671,
10.2129

■ 18.9217, 10.2466,
0.9805

■ 26.4992, 21.7443,
14.7811

■ 29.2863, 25.7817,
20.4481

■ 32.5811, 30.5119,
27.2789

■ 36.4074, 35.9654,
35.3337

■ 40.7873, 42.1709,
44.6683

■ 45.7418, 49.1555,
55.3351

■ 51.2906, 56.9449,
67.3837

Harmonies

Analogous

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



23.4337, 13.4478, 11.4974



20.9169, 13.4478, 4.0780



16.3319, 13.4478, 1.5841

Triad

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



20.9169, 13.4478, 4.0780



6.3162, 13.4478, 7.1420



14.0066, 13.4478, 55.5651

Complementary

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



20.9169, 13.4478, 4.0780



22.0067, 29.3223, 47.1472

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.



9.7874, 13.4478, 51.7775



20.9169, 13.4478, 4.0780



5.9748, 13.4478, 18.3141

Square

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



20.9169, 13.4478, 4.0780



8.1645, 13.4478, 2.4888



7.0881, 13.4478, 35.7822



18.8760, 13.4478, 44.2768

Rectangle

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



20.9169, 13.4478, 4.0780



13.1057, 13.4478, 1.2076



7.0881, 13.4478, 35.7822



12.4631, 13.4478, 56.0950

Sweetspot

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



20.9172, 13.4486, 4.0782



59.5996, 56.4288, 51.4661



26.0237, 14.1202, 35.1952



12.8239, 11.9580, 10.6067



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.



20.9172, 13.4486, 4.0782



34.7716, 19.8276, 2.9441



27.0970, 25.8082, 6.1382



8.5861, 8.6847, 8.8763



13.3998, 7.2982, 0.7025



0.4508, 0.2880, 0.0318

Inverse Universe

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



22.0067, 29.3223, 47.1472



36.6002, 49.2697, 83.9621



13.3346, 11.9780, 44.2565



8.6426, 9.4314, 10.8713



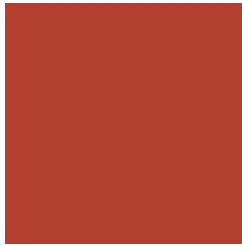
14.0397, 18.8797, 33.0412



0.4687, 0.6480, 1.0486

Previews

White Background



This preview shows how the XYZ color 20.9169, 13.4478, 4.0780 looks on a white background.

Color Contrast Check

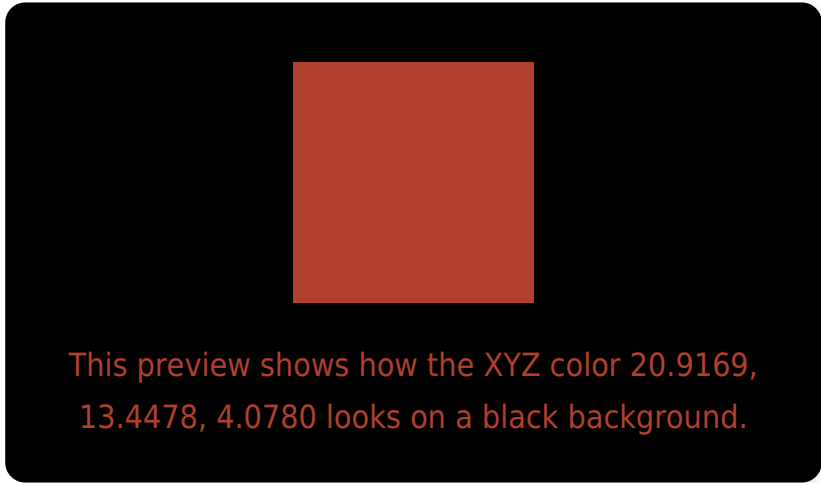
Large Text (above 18pt) WCAG AA ✓ Pass

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

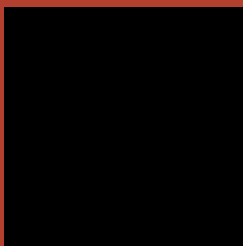
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9169, 13.4478, 4.0780

Background



This preview shows how black text looks on a background with the XYZ color 20.9169, 13.4478, 4.0780.

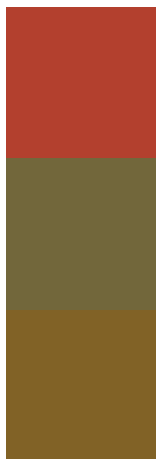


This preview shows how white text looks on a background with the XYZ color 20.9169, 13.4478,

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

20.9169, 13.4478, 4.0780

Protanopia

12.5791, 13.5937, 6.0985

Deuteranopia

13.7708, 13.5424, 3.7219



Tritanopia

21.4991, 13.5302, 6.4795

Trichromacy



Original Color

20.9169, 13.4478, 4.0780

Protanomaly

14.7195, 12.8144, 5.1876

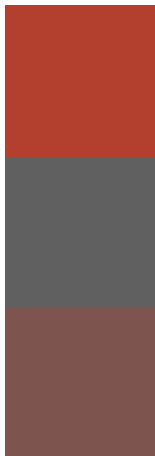
Deuteranomaly

15.7606, 13.0187, 3.7800

Tritanomaly

21.3636, 13.5638, 5.4951

Monochromacy



Original Color

20.9169, 13.4478, 4.0780

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

13.1497, 11.3263, 8.7009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9169, 13.4478, 4.0780 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(179, 64, 46)` looks like.

```
.text, #text, p{  
    color:rgb(179, 64, 46)  
}
```

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(179, 64, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 64, 46) }
```

Border

The CSS property to change the border of an element to XYZ 20.9169, 13.4478, 4.0780 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(179, 64, 46) }
```


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

```
.border{ border-color:rgb(179, 64, 46) }
```

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

Here you see how a box with a 4 pixel rgb(179, 64, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 64, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 64, 46);  
box-shadow:4px 4px 4px 4px rgb(179, 64,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9169, 13.4478, 4.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 64, 46) }
```

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

```
.background{ background-color: rgb(179, 64,  
46) }
```

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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