

Converting Colors

XYZ(22.2411, 15.3427, 8.9813)

Have a look what the booklet for
XYZ(22.2411, 15.3427, 8.9813)
contains.

XYZ(22.2310, 15.3459, 8.9981)	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(22.2310, 15.3459,
8.9981)**

Conversions

Conversions Part 1

Format	Color
Hex	B14E4E
RGB	177, 78, 78
RGB Percent	69%, 31%, 31%
CMY	0.3059, 0.6941, 0.6941
CMYK	0.00, 0.56, 0.56, 0.31
HSL	0°, 39%, 50%
HSV	0°, 56%, 69%
XYZ	22.2310, 15.3459, 8.9981
YIQ	107.6010, 59.0040, 20.9880

Conversions

Conversions Part 2

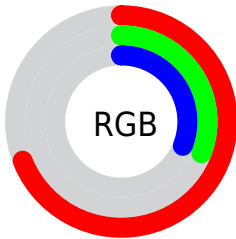
Format	Color
R_{YB}	177, 78, 78
Decimal	11619918
CIE _{Lab}	46.10, 40.37, 19.96
CIE _{LCh}	46, 45.040, 26.308
Yxy	15.3459, 0.4773, 0.3295
Android (android.graphics.Color)	4289809998 (0xFFB14E4E)
YUV	107.6010, -14.5933, 60.8629
Hunter-Lab	39.1738, 32.7438, 13.8030

Details

The XYZ color **22.2310, 15.3459, 8.9981** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **26.7989, 36.2364, 47.1767**, and the grayscale version is **14.1706, 14.9086, 16.2355**.

A 20% lighter version of the original color is **46.7384, 35.5021, 24.4679**, and **8.2659, 4.7762, 1.9996** is the 20% darker color. If you saturate the color by 10%, you get **20.5870, 12.9404, 5.7295**, and if you desaturate by 10%, it is **24.3850, 18.4981, 13.2795**.

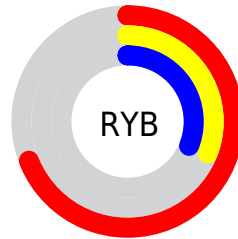
Distribution



Red (69%)

Green (31%)

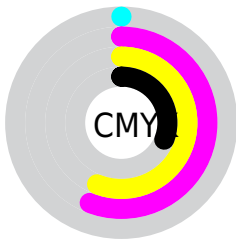
Blue (31%)



Red (69%)

Yellow (31%)

Blue (31%)

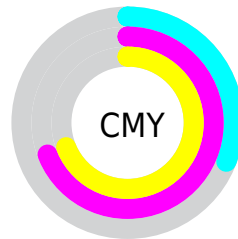


Cyan (0%)

Magenta (56%)

Yellow (56%)

Black (31%)



Cyan (31%)


Magenta (69%)


Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2310, 15.3459, 8.9981 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 22.2310, 15.3459, 8.9981 by changing the saturation by 10% instead.


 22.2310, 15.3459,
8.9981


 22.2310, 15.3459,
8.9981


256.3600,
225.4504, 193.5813


 14.1443, 9.0625,
4.6431


 46.6035, 35.4589,
24.4708


 8.3035, 4.7820,
1.9844


 63.6200, 50.0572,
36.4256

 4.3432, 2.1199,
0.5457

 84.3438, 68.1960,
51.7508

 1.8980, 0.6758,
0.0000

 109.1403, 90.2596,
70.8649

 0.5757, 0.0000,
0.0000

 138.3748,
116.6325, 94.1865

 0.0000, 0.0000,
0.0000

172.4127,

147.6990, 122.1340

211.6193,
183.8435, 155.1261

■ 22.2310, 15.3459,
8.9981

■ 22.2310, 15.3459,
8.9981

■ 20.5870, 12.9404,
5.7295

■ 24.3850, 18.4981,
13.2795

■ 19.4098, 11.2179,
3.3896

■ 27.0850, 22.4490,
18.6469

■ 18.6515, 10.1082,
1.8821

■ 30.3651, 27.2488,
25.1677

■ 18.2491, 9.5194,
1.0824

■ 34.2565, 32.9430,
32.9035

■ 18.1315, 9.3473,
0.8486

■ 38.7879, 39.5737,
41.9118

■ 43.9863, 47.1805,
52.2462

■ 49.8773, 55.8005,
63.9572

■ 56.4848, 65.4692,
77.0929

■ 63.8319, 76.2200,
91.6989

Harmonies

Analogous

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



23.2354, 15.3459, 18.1039



22.2310, 15.3459, 8.9981



19.0629, 15.3459, 4.5892

Triad

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



22.2310, 15.3459, 8.9981



9.2777, 15.3459, 7.5295



14.1169, 15.3459, 47.8184

Complementary

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



22.2310, 15.3459, 8.9981



26.7989, 36.2364, 47.1767

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.



10.8711, 15.3459, 41.1085



22.2310, 15.3459, 8.9981



8.4034, 15.3459, 15.3878

Square

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



22.2310, 15.3459, 8.9981



11.5601, 15.3459, 4.0391



8.9314, 15.3459, 27.9042



18.0981, 15.3459, 43.6329

Rectangle

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



22.2310, 15.3459, 8.9981



16.3988, 15.3459, 3.4548



8.9314, 15.3459, 27.9042



12.9116, 15.3459, 46.7075

Sweetspot

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



22.2314, 15.3467, 8.9984



60.3394, 57.5175, 56.9154



28.7917, 17.9703, 43.5460



12.7704, 12.0170, 11.7259



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.



22.2314, 15.3467, 8.9984



36.3349, 22.3920, 9.1963



27.1607, 25.2055, 10.6415



8.4964, 8.5053, 8.8464



13.1369, 6.7725, 0.6148



0.4134, 0.2131, 0.0193

Inverse Universe

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



26.7989, 36.2364, 47.1767



45.3281, 63.5224, 84.3673



18.7319, 20.1024, 44.4877



8.7427, 9.6315, 10.9046



17.1398, 25.0800, 34.0745



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 22.2310, 15.3459, 8.9981 looks on a white background.

Color Contrast Check

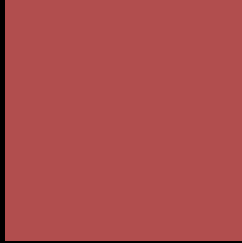
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.2310, 15.3459, 8.9981 looks on a 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 22.2310, 15.3459, 8.9981

Background



This preview shows how black text looks on a background with the XYZ color 22.2310, 15.3459, 8.9981.



This preview shows how white text looks on a background with the XYZ color 22.2310, 15.3459,

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

22.2310, 15.3459, 8.9981

Protanopia

14.7102, 15.6376, 12.3683

Deuteranopia

15.7699, 15.4897, 8.4620



Tritanopia

22.3083, 15.2641, 9.7531

Trichromacy



Original Color

22.2310, 15.3459, 8.9981

Protanomaly

16.5692, 14.8268, 11.0054

Deuteranomaly

17.5750, 14.9883, 8.6233

Tritanomaly

22.2705, 15.2489, 9.5541

Monochromacy



Original Color

22.2310, 15.3459, 8.9981

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.1052, 14.3990, 13.2397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2310, 15.3459, 8.9981 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, 78, 78)` looks like.

```
.text, #text, p{  
    color:rgb(177, 78, 78)  
}
```

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, 78, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 78, 78) }
```

Border

The CSS property to change the border of an element to XYZ 22.2310, 15.3459, 8.9981 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, 78, 78) }
```


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

```
.border{ border-color:rgb(177, 78, 78) }
```

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

Here you see how a box with a 4 pixel rgb(177, 78, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 78, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 78, 78);  
box-shadow:4px 4px 4px 4px rgb(177, 78,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2310, 15.3459, 8.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 78, 78) }
```

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

```
.background{ background-color: rgb(177, 78,  
78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor