

Converting Colors

XYZ(20.8394, 14.4264, 5.1614)

Have a look what the booklet for
XYZ(20.8394, 14.4264, 5.1614)
contains.

XYZ(20.8611, 14.4125, 5.1724)	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(20.8611, 14.4125,
5.1724)**

Conversions

Conversions Part 1

Format	Color
Hex	AF4B36
RGB	175, 75, 54
RGB Percent	69%, 29%, 21%
CMY	0.3137, 0.7059, 0.7882
CMYK	0.00, 0.57, 0.69, 0.31
HSL	10°, 53%, 45%
HSV	10°, 69%, 69%
XYZ	20.8611, 14.4125, 5.1724
YIQ	102.5060, 66.3410, 14.6690

Conversions

Conversions Part 2

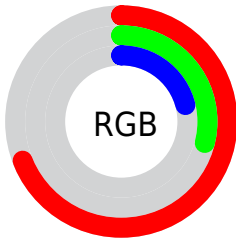
Format	Color
RYB	175, 79, 54
Decimal	11488054
CIELab	44.82, 39.45, 32.43
CIElCh	45, 51.069, 39.416
Yxy	14.4125, 0.5158, 0.3563
Android (android.graphics.Color)	4289678134 (0xFFAF4B36)
YUV	102.5060, -23.9135, 63.5772
Hunter-Lab	37.9638, 31.6491, 18.4967

Details

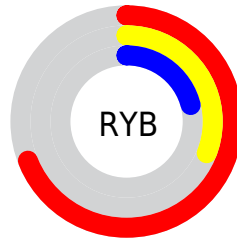
The XYZ color **20.8611, 14.4125, 5.1724** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.8136, 26.9883, 44.6693**, and the grayscale version is **12.8112, 13.4783, 14.6779**.

A 20% lighter version of the original color is **44.2486, 33.8002, 16.7623**, and **7.5636, 4.3477, 0.7277** is the 20% darker color. If you saturate the color by 10%, you get **19.6497, 12.5334, 3.0930**, and if you desaturate by 10%, it is **22.4440, 16.7983, 8.1053**.

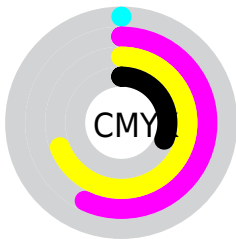
Distribution



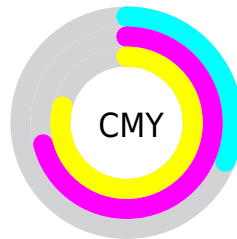
- Red (69%)
- Green (29%)
- Blue (21%)



- Red (69%)
- Yellow (31%)
- Blue (21%)



- Cyan (0%)
- Magenta (57%)
- Yellow (69%)
- Black (31%)





- Cyan (31%)
- Magenta (71%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8611, 14.4125, 5.1724 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 20.8611, 14.4125, 5.1724 by changing the saturation by 10% instead.


 20.8611, 14.4125,
5.1724


 20.8611, 14.4125,
5.1724


249.2851,
219.7821, 160.4803


 13.1344, 8.4081,
2.2883


 44.3493, 33.8192,
16.6343

 7.5988, 4.3572,
0.7246


 60.8414, 47.9903,
26.0491

 3.8889, 1.8753,
0.0000


 80.9861, 65.6524,
38.4779

 1.6395, 0.5335,
0.0000

 105.1487, 87.1899,
54.3392

 0.4179, 0.0000,
0.0000

 133.6946,
112.9873, 74.0515

 0.0000, 0.0000,
0.0000

 166.9890,

143.4288, 98.0335

205.3974,
178.8990, 126.7036

■ 20.8611, 14.4125,
5.1724

■ 20.8611, 14.4125,
5.1724

■ 19.6497, 12.5334,
3.0930

■ 22.4440, 16.7983,
8.1053

■ 18.7768, 11.1214,
1.7731

■ 24.4255, 19.7218,
11.9706

■ 18.1936, 10.1299,
1.0395

■ 26.8314, 23.2144,
16.8392

■ 18.1530, 10.0618,
0.9854

■ 29.6847, 27.3043,
22.7746

■ 33.0070, 32.0177,
29.8353

■ 36.8183, 37.3795,
38.0754

■ 41.1375, 43.4130,
47.5456

■ 45.9824, 50.1404,
58.2935

■ 51.3701, 57.5829,
70.3643

Harmonies

Analogous

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



23.2117, 14.4125, 12.2325



20.8611, 14.4125, 5.1724



16.7105, 14.4125, 2.5274

Triad

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



20.8611, 14.4125, 5.1724



7.4877, 14.4125, 8.9333



15.0506, 14.4125, 50.9200

Complementary

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



20.8611, 14.4125, 5.1724



20.8136, 26.9883, 44.6693

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.



11.0724, 14.4125, 48.4306



20.8611, 14.4125, 5.1724



7.2213, 14.4125, 19.7508

Square

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



20.8611, 14.4125, 5.1724



9.2182, 14.4125, 3.8083



8.3979, 14.4125, 35.2169



19.4367, 14.4125, 40.9063

Rectangle

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



20.8611, 14.4125, 5.1724



13.7804, 14.4125, 2.1187



8.3979, 14.4125, 35.2169



13.6173, 14.4125, 51.5975

Sweetspot

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



20.8614, 14.4133, 5.1726



57.7192, 55.3698, 50.4473



24.9006, 14.1132, 32.3485



12.4644, 11.7903, 10.4361



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.



20.8614, 14.4133, 5.1726



34.2934, 21.0091, 4.1310



26.9624, 26.6152, 7.2063



8.1135, 8.2318, 8.3746



13.0327, 7.2709, 0.7165



0.3955, 0.2681, 0.0309

Inverse Universe

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



20.8136, 26.9883, 44.6693



34.0262, 44.6606, 79.4639



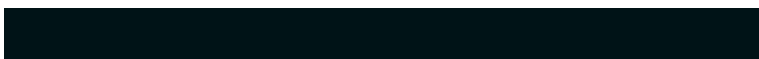
13.2916, 11.9443, 42.1620



8.1163, 8.8319, 10.2297



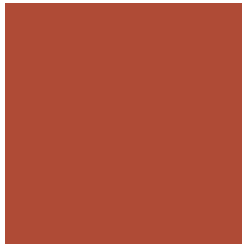
12.7905, 16.7149, 31.5967



0.3864, 0.5262, 0.8892

Previews

White Background



This preview shows how the XYZ color 20.8611, 14.4125, 5.1724 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 20.8611, 14.4125, 5.1724 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 20.8611, 14.4125, 5.1724

Background



This preview shows how black text looks on a background with the XYZ color 20.8611, 14.4125, 5.1724.



This preview shows how white text looks on a background with the XYZ color 20.8611, 14.4125,

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

20.8611, 14.4125, 5.1724

Protanopia

13.5479, 14.6790, 7.1203

Deuteranopia

14.8006, 14.6217, 4.8385



Tritanopia

21.5614, 14.4007, 8.6644

Trichromacy



Original Color

20.8611, 14.4125, 5.1724

Protanomaly

15.4157, 13.9246, 6.2901

Deuteranomaly

16.6156, 14.1805, 4.8790

Tritanomaly

21.3612, 14.4249, 7.2886

Monochromacy



Original Color

20.8611, 14.4125, 5.1724

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.6073, 13.1517, 10.3630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8611, 14.4125, 5.1724 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(175, 75, 54)` looks like.

```
.text, #text, p{  
    color:rgb(175, 75, 54)  
}
```

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(175, 75, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 75, 54) }
```

Border

The CSS property to change the border of an element to XYZ 20.8611, 14.4125, 5.1724 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(175, 75, 54) }
```


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

```
.border{ border-color:rgb(175, 75, 54) }
```

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

Here you see how a box with a 4 pixel rgb(175, 75, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 75, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 75, 54);  
box-shadow:4px 4px 4px 4px rgb(175, 75,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8611, 14.4125, 5.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 75, 54) }
```

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

```
.background{ background-color: rgb(175, 75,  
54) }
```

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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