

Converting Colors

XYZ(20.8082, 13.1740, 6.4472)

Have a look what the booklet for
XYZ(20.8082, 13.1740, 6.4472)
contains.

XYZ(20.8082, 13.1740, 6.4472)	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(20.8082, 13.1740,
6.4472)**

Conversions

Conversions Part 1

Format	Color
Hex	B13E41
RGB	177, 62, 65
RGB Percent	69%, 24%, 25%
CMY	0.3059, 0.7568, 0.7451
CMYK	0.00, 0.65, 0.63, 0.31
HSL	358°, 48%, 47%
HSV	358°, 65%, 69%
XYZ	20.8082, 13.1740, 6.4472
YIQ	96.7270, 67.5770, 25.3130

Conversions

Conversions Part 2

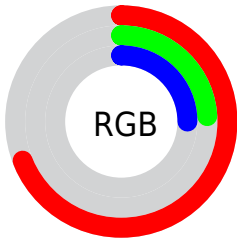
Format	Color
R _Y B	177, 62, 65
Decimal	11615809
CIE Lab	43.02, 46.93, 23.81
CIE LCh	43, 52.629, 26.902
Yxy	13.1740, 0.5147, 0.3259
Android (android.graphics.Color)	4289805889 (0xFFB13E41)
YUV	96.7270, -15.6414, 70.3994
Hunter-Lab	36.2960, 38.8146, 14.8756

Details

The XYZ color **20.8082, 13.1740, 6.4472** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.3496, 35.5246, 45.5682**, and the grayscale version is **11.3214, 11.9110, 12.9711**.

A 20% lighter version of the original color is **44.3713, 31.6309, 19.3895**, and **7.6160, 3.9095, 1.1123** is the 20% darker color. If you saturate the color by 10%, you get **19.5721, 11.3828, 3.9361**, and if you desaturate by 10%, it is **22.5107, 15.6544, 9.8658**.

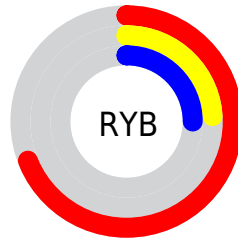
Distribution



Red (69%)

Green (24%)

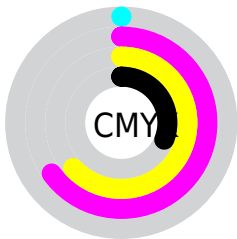
Blue (25%)



Red (69%)

Yellow (24%)

Blue (25%)

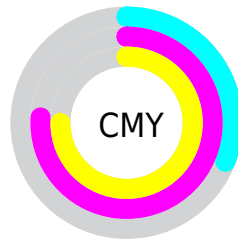


Cyan (0%)

Magenta (65%)

Yellow (63%)

Black (31%)



Cyan (31%)


Magenta (76%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8082, 13.1740, 6.4472 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 20.8082, 13.1740, 6.4472 by changing the saturation by 10% instead.


 20.8082, 13.1740,
6.4472


 20.8082, 13.1740,
6.4472


249.0085,
212.0298, 172.4407


 13.0955, 7.5485,
3.0457


 44.2618, 31.6160,
19.3457


 7.5718, 3.8074,
1.1180


 60.7334, 45.2013,
29.6799


 3.8717, 1.5664,
0.0000

 80.8554, 62.2087,
43.1619

 1.6298, 0.3348,
0.0000

 104.9932, 83.0224,
60.2105

 0.4117, 0.0000,
0.0000

 133.5120,
108.0270, 81.2442

 0.0000, 0.0000,
0.0000

 166.7772,

137.6069, 106.6814

205.1543,
172.1463, 136.9407

■ 20.8082, 13.1740,
6.4472

■ 20.8082, 13.1740,
6.4472

■ 19.5721, 11.3828,
3.9361

■ 22.5107, 15.6544,
9.8658

■ 18.7554, 10.2095,
2.2457

■ 24.7189, 18.8819,
14.2666

■ 18.3025, 9.5702,
1.2730

■ 27.4686, 22.9107,
19.7174

■ 18.1566, 9.3571,
0.9815

■ 30.7926, 27.7893,
26.2797

■ 34.7207, 33.5627,
34.0102

■ 39.2808, 40.2722,
42.9620

■ 44.4990, 47.9570,
53.1847

■ 50.4001, 56.6538,
64.7252

■ 57.0074, 66.3975,
77.6280

Harmonies

Analogous

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



21.9939, 13.1740, 15.5809



20.8082, 13.1740, 6.4472



17.2622, 13.1740, 2.6114

Triad

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



20.8082, 13.1740, 6.4472



7.0747, 13.1740, 5.3005



12.1062, 13.1740, 50.0171

Complementary

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



20.8082, 13.1740, 6.4472



25.3496, 35.5246, 45.5682

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.



8.7394, 13.1740, 42.2314



20.8082, 13.1740, 6.4472



6.2546, 13.1740, 13.1749

Square

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



20.8082, 13.1740, 6.4472



9.3243, 13.1740, 2.2438



6.7915, 13.1740, 26.9537



16.3768, 13.1740, 44.7504

Rectangle

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



20.8082, 13.1740, 6.4472



14.3663, 13.1740, 1.7535



6.7915, 13.1740, 26.9537



10.8418, 13.1740, 48.7711

Sweetspot

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



20.8085, 13.1747, 6.4474



58.9826, 55.4031, 54.6158



26.9292, 15.5236, 43.1717



12.3616, 11.3882, 11.0076



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.



20.8085, 13.1747, 6.4474



34.3277, 19.3410, 5.5573



25.2085, 22.1098, 7.4975



8.5050, 8.5087, 8.8919



13.1587, 6.7810, 0.7297



0.4170, 0.2145, 0.0385

Inverse Universe

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



20.8085, 13.1747, 6.4474



34.3277, 19.3410, 5.5573



17.0476, 18.4482, 44.2570



8.5050, 8.5087, 8.8919



13.1587, 6.7810, 0.7297



0.4170, 0.2145, 0.0385

Previews

White Background



This preview shows how the XYZ color 20.8082, 13.1740, 6.4472 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 20.8082, 13.1740, 6.4472 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 20.8082, 13.1740, 6.4472

Background



This preview shows how black text looks on a background with the XYZ color 20.8082, 13.1740, 6.4472.



This preview shows how white text looks on a background with the XYZ color 20.8082, 13.1740,

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

20.8082, 13.1740, 6.4472

Protanopia

12.5432, 13.3480, 9.6999

Deuteranopia

13.6145, 13.4111, 6.0087



Tritanopia

20.8375, 13.1857, 6.6011

Trichromacy



Original Color

20.8082, 13.1740, 6.4472

Protanomaly

14.5097, 12.3927, 8.2839

Deuteranomaly

15.5924, 12.7632, 6.0566

Tritanomaly

20.8375, 13.1857, 6.6011

Monochromacy



Original Color

20.8082, 13.1740, 6.4472

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.4142, 11.4321, 10.0939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8082, 13.1740, 6.4472 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, 62, 65)` looks like.

```
.text, #text, p{  
    color:rgb(177, 62, 65)  
}
```

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, 62, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 62, 65) }
```

Border

The CSS property to change the border of an element to XYZ 20.8082, 13.1740, 6.4472 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, 62, 65) }
```


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

```
.border{ border-color:rgb(177, 62, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 62, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 62, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 62, 65);  
box-shadow:4px 4px 4px 4px rgb(177, 62,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8082, 13.1740, 6.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 62, 65) }
```

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

```
.background{ background-color: rgb(177, 62,  
65) }
```

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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