

Converting Colors

XYZ(20.0699, 13.7463, 69.5548)

Have a look what the booklet for
XYZ(20.0699, 13.7463, 69.5548)
contains.

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Color

**XYZ(20.0838, 13.8013,
69.3155)**

Conversions

Conversions Part 1

Format	Color
Hex	5656DC
RGB	86, 86, 220
RGB Percent	34%, 34%, 86%
CMY	0.6627, 0.6627, 0.1373
CMYK	0.61, 0.61, 0.00, 0.14
HSL	240°, 66%, 60%
HSV	240°, 61%, 86%
XYZ	20.0838, 13.8013, 69.3155
YIQ	101.2760, -43.0140, 41.6740

Conversions

Conversions Part 2

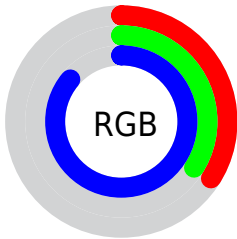
Format	Color
RYB	86, 86, 220
Decimal	5658332
CIELab	43.95, 39.42, -68.69
CIELCh	44, 79.200, 299.849
Yxy	13.8013, 0.1946, 0.1337
Android (android.graphics.Color)	4283848412 (0xFF5656DC)
YUV	101.2760, 58.5309, -13.3971
Hunter-Lab	37.1501, 31.4866, -84.6196

Details

The XYZ color **20.0838, 13.8013, 69.3155** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **56.7862, 67.0731, 18.7575**, and the grayscale version is **12.3030, 12.9437, 14.0957**.

A 20% lighter version of the original color is **39.0669, 31.1242, 98.5563**, and **7.4596, 4.1979, 35.5391** is the 20% darker color. If you saturate the color by 10%, you get **16.8666, 9.9244, 68.7371**, and if you desaturate by 10%, it is **24.4660, 19.0810, 70.1040**.

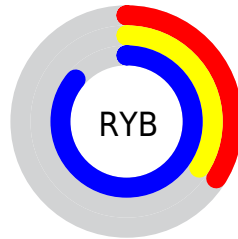
Distribution



Red (34%)

Green (34%)

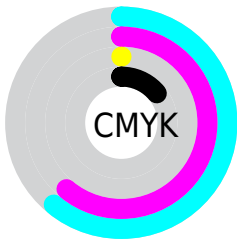
Blue (86%)



Red (34%)

Yellow (34%)

Blue (86%)

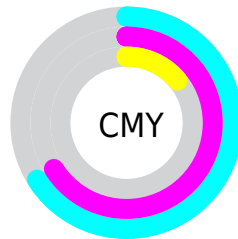


Cyan (61%)

Magenta (61%)

Yellow (0%)

Black (14%)



Cyan (66%)

Magenta (66%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0838, 13.8013, 69.3155 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 20.0838, 13.8013, 69.3155 by changing the saturation by 10% instead.

■ 20.0838, 13.8013,
69.3155

■ 20.0838, 13.8013,
69.3155

245.1933,
215.9912, 476.8670

■ 12.5646, 7.9826,
50.4953

■ 43.0605, 32.7360,
119.9040

■ 7.2043, 4.0838,
35.4332

■ 59.2487, 46.6209,
152.5095

■ 3.6377, 1.7206,
23.7106

■ 79.0573, 63.9632,
190.5471

■ 1.4993, 0.4369,
14.9088

■ 102.8516, 85.1474,
234.4355

■ 0.3253, 0.0000,
8.6095

■ 130.9970,
110.5580, 284.5931

■ 0.0000, 0.0000,
4.3941

163.8589,

■ 0.0000, 0.0000,

140.5792, 341.4385

1.8439

201.8025,
175.5954, 405.3903

■ 0.0000, 0.0000,
0.4567

■ 0.0000, 0.0000,
0.0000

■ 20.0838, 13.8013,
69.3155

■ 20.0838, 13.8013,
69.3155

■ 16.8666, 9.9244,
68.7371

■ 24.4660, 19.0810,
70.1040

■ 14.7015, 7.3157,
68.3477

■ 30.1076, 25.8788,
71.1187

■ 13.4572, 5.8165,
68.1239

■ 37.0962, 34.2996,
72.3758

■ 12.9185, 5.1674,
68.0270

■ 45.5105, 44.4384,
73.8893

■ 55.4236, 56.3832,
75.6724

■ 66.9033, 70.2157,
77.7373

■ 80.0134, 86.0128,
80.0954

■ 89.9183, 97.9473,
81.8770

Harmonies

Analogous

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



13.0860, 13.8013, 82.8054



20.0838, 13.8013, 69.3155



26.5568, 13.8013, 39.9138

Triad

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



20.0838, 13.8013, 69.3155



20.1569, 13.8013, 0.5093



4.3750, 13.8013, 14.9365

Complementary

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



20.0838, 13.8013, 69.3155



56.7862, 67.0731, 18.7575

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.



5.2077, 13.8013, 3.4974



20.0838, 13.8013, 69.3155



13.1495, 13.8013, 0.0000

Square

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



20.0838, 13.8013, 69.3155



26.6076, 13.8013, 3.5573



7.9834, 13.8013, 0.4948



5.1905, 13.8013, 39.6125

Rectangle

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



20.0838, 13.8013, 69.3155



28.9339, 13.8013, 21.9748



7.9834, 13.8013, 0.4948



4.4664, 13.8013, 9.7242

Sweetspot

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



20.0845, 13.8017, 69.3159



67.1985, 66.4403, 103.8903



42.3494, 58.3324, 76.7377



13.5631, 13.2327, 22.0893



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.0845, 13.8017, 69.3159



22.6132, 12.7179, 95.8707



29.3830, 18.5952, 69.7510



12.3388, 12.6173, 16.4372



7.5817, 3.0327, 39.9242



0.4912, 0.1965, 2.5865

Inverse Universe

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



45.7605, 27.0382, 70.5125



61.4073, 32.7172, 97.6778



40.4099, 58.6308, 17.9911



13.6144, 13.2749, 16.4967



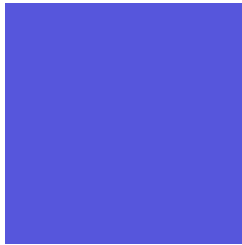
24.9029, 11.9622, 40.7300



1.6133, 0.7750, 2.6387

Previews

White Background



This preview shows how the XYZ color 20.0838, 13.8013, 69.3155 looks on a white background.

Color Contrast Check

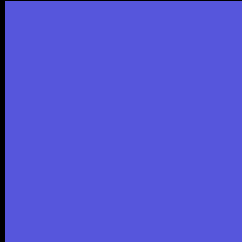
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0838, 13.8013, 69.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

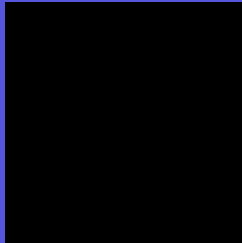
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0838, 13.8013, 69.3155

Background



This preview shows how black text looks on a background with the XYZ color 20.0838, 13.8013, 69.3155.



This preview shows how white text looks on a background with the XYZ color 20.0838, 13.8013,

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

20.0838, 13.8013, 69.3155

Protanopia

16.3150, 13.8175, 63.4352

Deuteranopia

13.5975, 13.6855, 46.1809



Tritanopia

10.2796, 13.6524, 20.8323

Trichromacy



Original Color

20.0838, 13.8013, 69.3155

Protanomaly

16.7949, 13.3308, 65.3062

Deuteranomaly

14.9907, 13.2005, 53.9824

Tritanomaly

12.5974, 12.9813, 34.1894

Monochromacy



Original Color

20.0838, 13.8013, 69.3155

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.0408, 12.8662, 28.1289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0838, 13.8013, 69.3155 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(86, 86, 220)` looks like.

```
.text, #text, p{  
    color:rgb(86, 86, 220)  
}
```

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(86, 86, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 86, 220) }
```

Border

The CSS property to change the border of an element to XYZ 20.0838, 13.8013, 69.3155 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(86, 86, 220) }
```


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

```
.border{ border-color:rgb(86, 86, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 86, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 86, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 86, 220);  
box-shadow:4px 4px 4px 4px rgb(86, 86,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0838, 13.8013, 69.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 86, 220) }
```

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

```
.background{ background-color: rgb(86, 86,  
220) }
```

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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