

Converting Colors

XYZ(20.8194, 19.3379, 40.6655)

Have a look what the booklet for
XYZ(20.8194, 19.3379, 40.6655)
contains.

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Color

**XYZ(20.8194, 19.3379,
40.6655)**

Conversions

Conversions Part 1

Format	Color
Hex	7475AA
RGB	116, 117, 170
RGB Percent	45%, 46%, 67%
CMY	0.5451, 0.5412, 0.3333
CMYK	0.32, 0.31, 0.00, 0.33
HSL	239°, 24%, 56%
HSV	239°, 32%, 67%
XYZ	20.8194, 19.3379, 40.6655
YIQ	122.7430, -17.6090, 16.2710

Conversions

Conversions Part 2

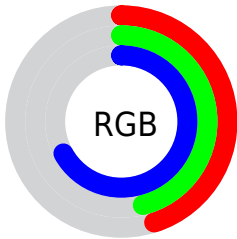
Format	Color
R _Y B	116, 117, 170
Decimal	7632298
CIE Lab	51.08, 12.26, -28.37
CIE LCh	51, 30.911, 293.374
Yxy	19.3379, 0.2576, 0.2393
Android (android.graphics.Color)	4285822378 (0xFF7475AA)
YUV	122.7430, 23.2977, -5.9136
Hunter-Lab	43.9749, 7.5527, -24.0456

Details

The XYZ color **20.8194, 19.3379, 40.6655** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.9181, 38.1830, 22.1059**, and the grayscale version is **18.6726, 19.6450, 21.3934**.

A 20% lighter version of the original color is **44.2776, 42.3019, 77.7829**, and **7.5781, 6.6881, 18.0311** is the 20% darker color. If you saturate the color by 10%, you get **16.9893, 14.7305, 39.9784**, and if you desaturate by 10%, it is **25.4109, 24.8530, 41.4884**.

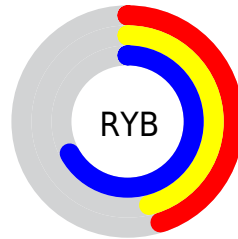
Distribution



Red (45%)

Green (46%)

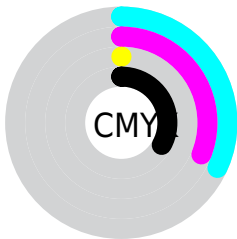
Blue (67%)



Red (45%)

Yellow (46%)

Blue (67%)

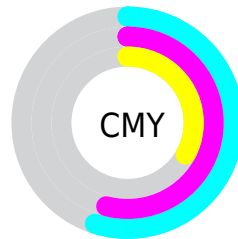


Cyan (32%)

Magenta (31%)

Yellow (0%)

Black (33%)



Cyan (55%)

Magenta (54%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8194, 19.3379, 40.6655 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 20.8194, 19.3379, 40.6655 by changing the saturation by 10% instead.

■ 20.8194, 19.3379,
40.6655

■ 20.8194, 19.3379,
40.6655

249.0671,
248.3079, 364.5558

■ 13.1038, 11.9147,
27.7401

■ 44.2803, 42.3043,
77.4240

■ 7.5775, 6.6856,
17.8925

■ 60.7563, 58.6163,
102.0941

■ 3.8753, 3.2663,
10.7042

■ 80.8831, 78.6600,
131.5163

■ 1.6319, 1.2723,
5.7566

105.0261,
102.8197, 166.1090

■ 0.4130, 0.1196,
2.6313

133.5507,
131.4800, 206.2907

■ 0.0000, 0.0000,
0.9085

166.8221,

■ 0.0000, 0.0000,

165.0252, 252.4801

0.0000

205.2058,
203.8397, 305.0956

■ 20.8194, 19.3379,
40.6655

■ 20.8194, 19.3379,
40.6655

■ 16.9893, 14.7305,
39.9784

■ 25.4109, 24.8530,
41.4884

■ 13.8775, 10.9800,
39.4185

■ 30.7997, 31.3183,
42.4523

■ 11.4399, 8.0343,
38.9784

■ 37.0218, 38.7765,
43.5639

■ 9.6266, 5.8345,
38.6493

■ 44.1105, 47.2670,
44.8291

■ 8.3809, 4.3137,
38.4215

■ 52.0971, 56.8269,
46.2534

■ 7.6357, 3.3933,
38.2831

■ 61.0117, 67.4917,
47.8421

■ 7.2900, 2.9707,
38.2197

■ 70.8826, 79.2952,
49.6001

■ 81.7372, 92.2695,
51.5323

■ 84.2558, 95.6823,
52.0583

Harmonies

Analogous

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



17.7083, 19.3379, 42.6714



20.8194, 19.3379, 40.6655



23.5285, 19.3379, 32.8188

Triad

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



20.8194, 19.3379, 40.6655



22.1260, 19.3379, 10.2051



13.1244, 19.3379, 19.1672

Complementary

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



20.8194, 19.3379, 40.6655



33.9181, 38.1830, 22.1059

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.



14.0435, 19.3379, 12.5044



20.8194, 19.3379, 40.6655



19.0687, 19.3379, 8.3440

Square

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



20.8194, 19.3379, 40.6655



24.3396, 19.3379, 15.0429



16.1392, 19.3379, 9.0497



13.4826, 19.3379, 28.4889

Rectangle

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



20.8194, 19.3379, 40.6655



24.6269, 19.3379, 26.2649



16.1392, 19.3379, 9.0497



13.2905, 19.3379, 16.5853

Sweetspot

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



20.8201, 19.3386, 40.6660



57.5667, 58.8430, 77.3256



28.6642, 35.2975, 42.4462



12.5130, 12.7331, 17.1859



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.8201, 19.3386, 40.6660



32.8197, 29.1276, 72.8943



24.5201, 21.0739, 40.8059



7.1425, 7.3220, 9.4552



5.3671, 2.1945, 28.1162



0.1340, 0.0602, 0.6852

Inverse Universe

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



26.0344, 22.3217, 19.7668



43.7701, 35.4204, 28.9980



29.1694, 36.0124, 21.9372



7.5365, 7.5445, 7.8766



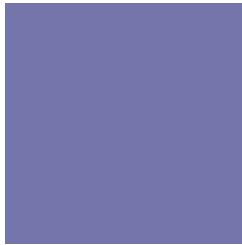
12.2097, 6.2926, 0.6498



0.2988, 0.1538, 0.0248

Previews

White Background



This preview shows how the XYZ color 20.8194, 19.3379, 40.6655 looks on a white background.

Color Contrast Check

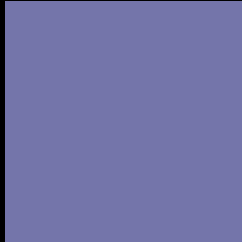
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.8194, 19.3379, 40.6655 looks on a black 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

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

XYZ 20.8194, 19.3379, 40.6655

Background



This preview shows how black text looks on a background with the XYZ color 20.8194, 19.3379, 40.6655.



This preview shows how white text looks on a background with the XYZ color 20.8194, 19.3379,

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

20.8194, 19.3379, 40.6655

Protanopia

19.9886, 19.4148, 41.7236

Deuteranopia

19.7036, 19.3008, 40.2230



Tritanopia

17.6951, 19.3247, 25.3517

Trichromacy



Original Color

20.8194, 19.3379, 40.6655

Protanomaly

20.2542, 19.3851, 41.2023

Deuteranomaly

20.0649, 19.3094, 40.2057

Tritanomaly

18.6594, 19.1608, 30.3187

Monochromacy



Original Color

20.8194, 19.3379, 40.6655

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.3167, 19.5613, 27.5685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8194, 19.3379, 40.6655 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(116, 117, 170)` looks like.

```
.text, #text, p{  
    color:rgb(116, 117, 170)  
}
```

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(116, 117, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 117, 170) }
```

Border

The CSS property to change the border of an element to XYZ 20.8194, 19.3379, 40.6655 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(116, 117, 170) }
```


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

```
.border{ border-color:rgb(116, 117, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 117, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 117, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 117, 170);  
box-shadow:4px 4px 4px 4px rgb(116, 117,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8194, 19.3379, 40.6655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 117, 170) }
```

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

```
.background{ background-color: rgb(116,  
117, 170) }
```

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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