

Converting Colors

XYZ(20.1549, 19.2399, 36.6483)

Have a look what the booklet for
XYZ(20.1549, 19.2399, 36.6483)
contains.

XYZ(20.2025, 19.2785, 36.8388)	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(20.2025, 19.2785,
36.8388)**

Conversions

Conversions Part 1

Format	Color
Hex	7476A2
RGB	116, 118, 162
RGB Percent	45%, 46%, 64%
CMY	0.5451, 0.5372, 0.3647
CMYK	0.28, 0.27, 0.00, 0.36
HSL	237°, 20%, 55%
HSV	237°, 28%, 64%
XYZ	20.2025, 19.2785, 36.8388
YIQ	122.4180, -15.3160, 13.2600

Conversions

Conversions Part 2

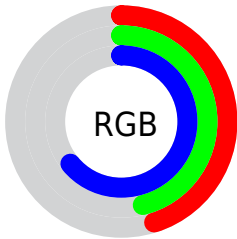
Format	Color
R _Y B	116, 118, 162
Decimal	7632546
CIE Lab	51.01, 9.55, -23.83
CIE LCh	51, 25.669, 291.849
Yxy	19.2785, 0.2647, 0.2526
Android (android.graphics.Color)	4285822626 (0xFF7476A2)
YUV	122.4180, 19.5139, -5.6286
Hunter-Lab	43.9073, 5.2932, -19.0100

Details

The XYZ color **20.2025, 19.2785, 36.8388** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.6239, 34.0843, 21.4886**, and the grayscale version is **18.5776, 19.5451, 21.2846**.

A 20% lighter version of the original color is **43.2613, 42.1942, 71.5098**, and **7.2514, 6.6644, 15.6560** is the 20% darker color. If you saturate the color by 10%, you get **16.5567, 14.9094, 36.1880**, and if you desaturate by 10%, it is **24.5249, 24.4423, 37.6080**.

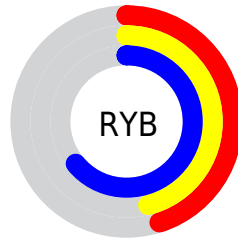
Distribution



Red (45%)

Green (46%)

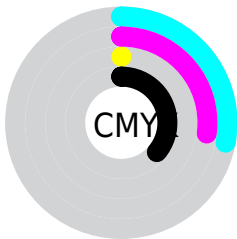
Blue (64%)



Red (45%)

Yellow (46%)

Blue (64%)

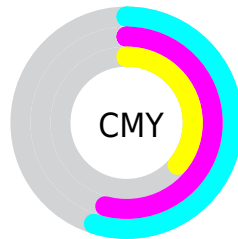


Cyan (28%)

Magenta (27%)

Yellow (0%)

Black (36%)



Cyan (55%)

Magenta (54%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2025, 19.2785, 36.8388 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 20.2025, 19.2785, 36.8388 by changing the saturation by 10% instead.

■ 20.2025, 19.2785,
36.8388

■ 20.2025, 19.2785,
36.8388

245.8220,
247.9820, 347.7597

■ 12.6514, 11.8717,
24.7879

■ 43.2578, 42.2042,
71.5083

■ 7.2643, 6.6564,
15.7015

■ 59.4927, 58.4918,
94.9641

■ 3.6757, 3.2481,
9.1611

■ 79.3530, 78.5085,
123.0585

■ 1.5204, 1.2626,
4.7482

103.2040,
102.6387, 156.2101

■ 0.3396, 0.1120,
2.0441

131.4110,
131.2668, 194.8375

■ 0.0000, 0.0000,
0.5822

164.3395,

■ 0.0000, 0.0000,

164.7770, 239.3592

0.0000

202.3547,
203.5540, 290.1938

■ 20.2025, 19.2785,
36.8388

■ 20.2025, 19.2785,
36.8388

■ 16.5567, 14.9094,
36.1880

■ 24.5249, 24.4423,
37.6080

■ 13.5514, 11.2934,
35.6484

■ 29.5538, 30.4351,
38.4997

■ 11.1502, 8.3885,
35.2143

■ 35.3194, 37.2919,
39.5193

■ 9.3122, 6.1480,
34.8787

■ 41.8497, 45.0451,
40.6716

■ 7.9914, 4.5192,
34.6339

■ 49.1713, 53.7254,
41.9612

■ 7.1346, 3.4416,
34.4711

■ 57.3095, 63.3620,
43.3923

■ 6.6577, 2.8324,
34.3786

■ 66.2884, 73.9829,
44.9691

■ 6.5981, 2.7616,
34.3681

■ 76.1311, 85.6149,
46.6956

■ 83.5217, 95.3887,
48.1926

Harmonies

Analogous

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



17.6397, 19.2785, 38.1097



20.2025, 19.2785, 36.8388



22.4400, 19.2785, 30.8741

Triad

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



20.2025, 19.2785, 36.8388



21.5101, 19.2785, 11.7991



13.9007, 19.2785, 19.0691

Complementary

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



20.2025, 19.2785, 36.8388



30.6239, 34.0843, 21.4886

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.



14.7442, 19.2785, 13.4802



20.2025, 19.2785, 36.8388



19.0250, 19.2785, 9.9641

Square

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



20.2025, 19.2785, 36.8388



23.2422, 19.2785, 16.2028



16.5650, 19.2785, 10.4989



14.1531, 19.2785, 26.6402

Rectangle

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



20.2025, 19.2785, 36.8388



23.3688, 19.2785, 25.6581



16.5650, 19.2785, 10.4989



14.0625, 19.2785, 16.9272

Sweetspot

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



20.2031, 19.2793, 36.8392



52.8955, 54.3512, 69.7591



26.4423, 32.0817, 37.9194



11.5791, 11.8486, 15.6142



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.2031, 19.2793, 36.8392



32.3976, 29.8746, 66.1150



23.0350, 20.3932, 36.9050



6.7240, 6.9070, 8.8819



5.2065, 2.1923, 27.0785



0.1164, 0.0600, 0.5713

Inverse Universe

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



24.4163, 21.4808, 19.9996



41.3274, 34.5881, 30.4124



27.1088, 32.7911, 21.4242



7.0857, 7.0907, 7.4376



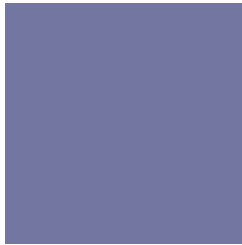
11.7735, 6.0654, 0.7317



0.2509, 0.1289, 0.0339

Previews

White Background



This preview shows how the XYZ color 20.2025, 19.2785, 36.8388 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 20.2025, 19.2785, 36.8388 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 20.2025, 19.2785, 36.8388

Background



This preview shows how black text looks on a background with the XYZ color 20.2025, 19.2785, 36.8388.



This preview shows how white text looks on a background with the XYZ color 20.2025, 19.2785,

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

20.2025, 19.2785, 36.8388

Protanopia

19.6340, 19.3285, 37.3463

Deuteranopia

19.7936, 19.4211, 36.8878



Tritanopia

17.7470, 19.1744, 24.9560

Trichromacy



Original Color

20.2025, 19.2785, 36.8388

Protanomaly

19.8898, 19.2827, 37.3240

Deuteranomaly

19.9285, 19.3130, 36.8599

Tritanomaly

18.5535, 19.1331, 29.1007

Monochromacy



Original Color

20.2025, 19.2785, 36.8388

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.0985, 19.4740, 26.4192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2025, 19.2785, 36.8388 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, 118, 162)` looks like.

```
.text, #text, p{  
    color:rgb(116, 118, 162)  
}
```

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, 118, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 118, 162) }
```

Border

The CSS property to change the border of an element to XYZ 20.2025, 19.2785, 36.8388 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, 118, 162) }
```


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

```
.border{ border-color:rgb(116, 118, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 118, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 118, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 118, 162);  
box-shadow:4px 4px 4px 4px rgb(116, 118,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2025, 19.2785, 36.8388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 118, 162) }
```

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

```
.background{ background-color: rgb(116,  
118, 162) }
```

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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