

Converting Colors

XYZ(20.5117, 19.2270, 41.6602)

Have a look what the booklet for
XYZ(20.5117, 19.2270, 41.6602)
contains.

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Color

**XYZ(20.4898, 19.1459,
41.6453)**

Conversions

Conversions Part 1

Format	Color
Hex	7075AC
RGB	112, 117, 172
RGB Percent	44%, 46%, 67%
CMY	0.5608, 0.5412, 0.3255
CMYK	0.35, 0.32, 0.00, 0.33
HSL	235°, 27%, 56%
HSV	235°, 35%, 67%
XYZ	20.4898, 19.1459, 41.6453
YIQ	121.7750, -20.6350, 16.0450

Conversions

Conversions Part 2

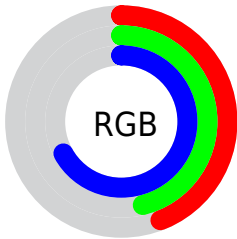
Format	Color
R_{YB}	112, 117, 172
Decimal	7370156
CIE _{Lab}	50.86, 11.62, -29.91
CIE _{LCh}	51, 32.086, 291.241
Yxy	19.1459, 0.2521, 0.2356
Android (android.graphics.Color)	4285560236 (0xFF7075AC)
YUV	121.7750, 24.7609, -8.5727
Hunter-Lab	43.7560, 7.0138, -25.8007

Details

The XYZ color **20.4898, 19.1459, 41.6453** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.7571, 37.5785, 20.8043**, and the grayscale version is **18.3526, 19.3084, 21.0268**.

A 20% lighter version of the original color is **43.7086, 41.9767, 79.1974**, and **7.3824, 6.5803, 18.3338** is the 20% darker color. If you saturate the color by 10%, you get **16.8219, 14.7541, 40.9913**, and if you desaturate by 10%, it is **24.8865, 24.3735, 42.4229**.

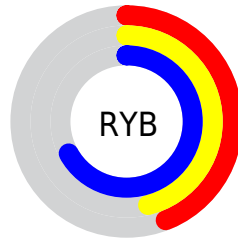
Distribution



Red (44%)

Green (46%)

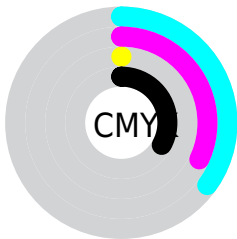
Blue (67%)



Red (44%)

Yellow (46%)

Blue (67%)

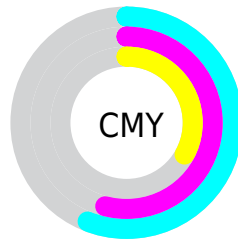


Cyan (35%)

Magenta (32%)

Yellow (0%)

Black (33%)



Cyan (56%)

Magenta (54%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4898, 19.1459, 41.6453 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 20.4898, 19.1459, 41.6453 by changing the saturation by 10% instead.

■ 20.4898, 19.1459,
41.6453

■ 20.4898, 19.1459,
41.6453

247.3378,
247.2530, 368.7667

■ 12.8619, 11.7757,
28.5002

■ 43.7346, 41.9805,
78.9268

■ 7.4099, 6.5912,
18.4607

■ 60.0821, 58.2137,
103.9002

■ 3.7683, 3.2078,
11.1084

■ 80.0670, 78.1701,
133.6535

■ 1.5719, 1.2411,
6.0247

■ 104.0545,
102.2340, 168.6052

■ 0.3740, 0.0949,
2.7911

132.4100,
130.7899, 209.1738

■ 0.0000, 0.0000,
0.9890

165.4988,

■ 0.0000, 0.0000,

164.2221, 255.7779

0.0000

203.6863,
202.9150, 308.8360

■ 20.4898, 19.1459,
41.6453

■ 20.4898, 19.1459,
41.6453

■ 16.8219, 14.7541,
40.9913

■ 24.8865, 24.3735,
42.4229

■ 13.8414, 11.1526,
40.4532

■ 30.0465, 30.4749,
43.3287

■ 11.5059, 8.2949,
40.0247

■ 36.0042, 37.4884,
44.3684

■ 9.7674, 6.1288,
39.6982

■ 42.7917, 45.4492,
45.5473

■ 8.5710, 4.5952,
39.4653

■ 50.4391, 54.3909,
46.8701

■ 7.8513, 3.6247,
39.3159

■ 58.9749, 64.3453,
48.3416

■ 7.6080, 3.3017,
39.2663

■ 68.4267, 75.3428,
49.9662

■ 78.8204, 87.4126,
51.7481

■ 84.4465, 95.7586,
53.0625

Harmonies

Analogous

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



17.2877, 19.1459, 43.2186



20.4898, 19.1459, 41.6453



23.3609, 19.1459, 33.7540

Triad

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



20.4898, 19.1459, 41.6453



22.2743, 19.1459, 10.0053



12.8270, 19.1459, 18.3067

Complementary

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



20.4898, 19.1459, 41.6453



33.7571, 37.5785, 20.8043

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.



13.8574, 19.1459, 11.7374



20.4898, 19.1459, 41.6453



19.1389, 19.1459, 7.9408

Square

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



20.4898, 19.1459, 41.6453



24.4712, 19.1459, 15.1544



16.0831, 19.1459, 8.4668



13.0998, 19.1459, 27.8109

Rectangle

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



20.4898, 19.1459, 41.6453



24.5812, 19.1459, 26.9607



16.0831, 19.1459, 8.4668



13.0276, 19.1459, 15.7347

Sweetspot

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



20.4905, 19.1466, 41.6458



59.4076, 61.0594, 79.4603



28.4102, 35.7403, 41.9608



12.5961, 12.8992, 17.2136



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.



20.4905, 19.1466, 41.6458



31.8274, 28.3399, 74.5984



23.5578, 19.8861, 41.6268



7.6306, 7.8605, 10.0678



5.6794, 2.4927, 29.2263



0.1749, 0.1032, 0.8187

Inverse Universe

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



26.0189, 21.6441, 19.6367



43.4553, 33.7522, 28.2713



29.7103, 36.8784, 20.8824



8.0313, 8.0258, 8.4758



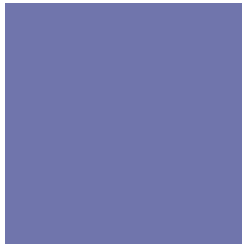
12.7303, 6.5547, 0.9595



0.3627, 0.1858, 0.0717

Previews

White Background



This preview shows how the XYZ color 20.4898, 19.1459, 41.6453 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 20.4898, 19.1459, 41.6453 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 20.4898, 19.1459, 41.6453

Background



This preview shows how black text looks on a background with the XYZ color 20.4898, 19.1459, 41.6453.



This preview shows how white text looks on a background with the XYZ color 20.4898, 19.1459,

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

20.4898, 19.1459, 41.6453

Protanopia

19.9457, 19.1927, 42.6977

Deuteranopia

19.6607, 19.2568, 41.2088



Tritanopia

17.1042, 19.0201, 25.3240

Trichromacy



Original Color

20.4898, 19.1459, 41.6453

Protanomaly

20.0847, 19.0998, 42.1632

Deuteranomaly

19.8914, 19.1981, 41.1853

Tritanomaly

18.1265, 18.8770, 30.7052

Monochromacy



Original Color

20.4898, 19.1459, 41.6453

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.9213, 19.1779, 27.5154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4898, 19.1459, 41.6453 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(112, 117, 172)` looks like.

```
.text, #text, p{  
    color:rgb(112, 117, 172)  
}
```

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(112, 117, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 117, 172) }
```

Border

The CSS property to change the border of an element to XYZ 20.4898, 19.1459, 41.6453 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(112, 117, 172) }
```


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

```
.border{ border-color:rgb(112, 117, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 117, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 117, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 117, 172);  
box-shadow:4px 4px 4px 4px rgb(112, 117,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4898, 19.1459, 41.6453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 117, 172) }
```

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

```
.background{ background-color: rgb(112,  
117, 172) }
```

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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