

Converting Colors

XYZ(20.0137, 19.6699, 41.2704)

Have a look what the booklet for
XYZ(20.0137, 19.6699, 41.2704)
contains.

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Color

**XYZ(20.0138, 19.6183,
41.2599)**

Conversions

Conversions Part 1

Format	Color
Hex	6979AB
RGB	105, 121, 171
RGB Percent	41%, 47%, 67%
CMY	0.5882, 0.5255, 0.3294
CMYK	0.39, 0.29, 0.00, 0.33
HSL	225°, 28%, 54%
HSV	225°, 39%, 67%
XYZ	20.0138, 19.6183, 41.2599
YIQ	121.9160, -25.5860, 12.1580

Conversions

Conversions Part 2

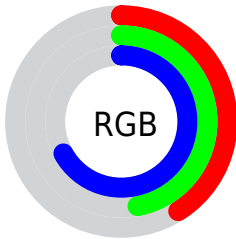
Format	Color
R _Y B	105, 118, 171
Decimal	6912427
CIE Lab	51.40, 6.93, -28.52
CIE LCh	51, 29.347, 283.667
Yxy	19.6183, 0.2474, 0.2425
Android (android.graphics.Color)	4285102507 (0xFF6979AB)
YUV	121.9160, 24.1984, -14.8353
Hunter-Lab	44.2926, 3.1441, -24.2257

Details

The XYZ color **20.0138, 19.6183, 41.2599** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.0663, 33.1213, 18.1212**, and the grayscale version is **18.4014, 19.3597, 21.0828**.

A 20% lighter version of the original color is **42.9092, 42.7023, 78.6539**, and **7.2336, 6.8813, 18.3997** is the 20% darker color. If you saturate the color by 10%, you get **16.7337, 15.7454, 40.6856**, and if you desaturate by 10%, it is **23.9106, 24.1237, 41.9245**.

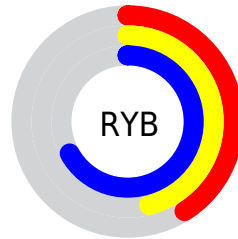
Distribution



Red (41%)

Green (47%)

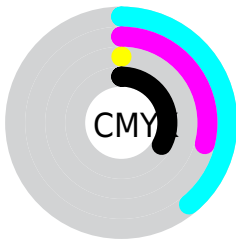
Blue (67%)



Red (41%)

Yellow (46%)

Blue (67%)

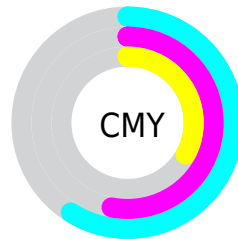


Cyan (39%)

Magenta (29%)

Yellow (0%)

Black (33%)



Cyan (59%)

Magenta (53%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0138, 19.6183, 41.2599 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 20.0138, 19.6183, 41.2599 by changing the saturation by 10% instead.

■ 20.0138, 19.6183,
41.2599

■ 20.0138, 19.6183,
41.2599

244.8220,
249.8412, 367.1144

■ 12.5134, 12.1179,
28.2010

■ 42.9441, 42.7763,
78.3362

■ 7.1690, 6.8240,
18.2369

■ 59.1047, 59.2027,
103.1907

■ 3.6153, 3.3523,
10.9490

■ 78.8827, 79.3732,
132.8142

■ 1.4869, 1.3183,
5.9188

■ 102.6435,
103.6722, 167.6251

■ 0.3169, 0.1553,
2.7278

130.7525,
132.4841, 208.0420

■ 0.0000, 0.0000,
0.9574

163.5750,

■ 0.0000, 0.0000,

166.1933, 254.4836

0.0000

201.4764,
205.1842, 307.3682

■ 20.0138, 19.6183,
41.2599

■ 20.0138, 19.6183,
41.2599

■ 16.7337, 15.7454,
40.6856

■ 23.9106, 24.1237,
41.9245

■ 14.0354, 12.4736,
40.1963

■ 28.4522, 29.2868,
42.6817

■ 11.8839, 9.7718,
39.7882

■ 33.6675, 35.1338,
43.5354

■ 10.2389, 7.6051,
39.4567

■ 39.5830, 41.6892,
44.4890

■ 9.0545, 5.9344,
39.1966

■ 46.2237, 48.9758,
45.5454

■ 8.2547, 4.7035,
39.0012

■ 53.6134, 57.0158,
46.7078

■ 8.1595, 4.5577,
38.9781

■ 61.7747, 65.8300,
47.9790

■ 70.7294, 75.4388,
49.3617

■ 79.0474, 85.1136,
50.7907

Harmonies

Analogous

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



17.1022, 19.6183, 40.9583



20.0138, 19.6183, 41.2599



22.8266, 19.6183, 35.3359

Triad

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



20.0138, 19.6183, 41.2599



23.0400, 19.6183, 12.0224



13.7327, 19.6183, 17.1255

Complementary

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



20.0138, 19.6183, 41.2599



31.0663, 33.1213, 18.1212

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.



15.0109, 19.6183, 11.6630



20.0138, 19.6183, 41.2599



20.2813, 19.6183, 9.2906

Square

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



20.0138, 19.6183, 41.2599



24.6938, 19.6183, 17.7610



17.3431, 19.6183, 9.1792



13.6773, 19.6183, 25.4172

Rectangle

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



20.0138, 19.6183, 41.2599



24.1831, 19.6183, 29.3738



17.3431, 19.6183, 9.1792



14.0270, 19.6183, 14.9565

Sweetspot

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



20.0145, 19.6190, 41.2604



56.7753, 58.9902, 77.3957



26.2637, 34.4794, 36.0622



12.3976, 12.8599, 17.2165



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.



20.0145, 19.6190, 41.2604



30.9375, 29.3545, 73.0373



20.3585, 17.1455, 40.7648



7.7307, 8.0608, 10.1011



6.1866, 3.5070, 29.3954



0.2145, 0.1824, 0.8319

Inverse Universe

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



25.2980, 20.1424, 20.6444



41.8459, 30.9207, 30.3644



30.5351, 37.0654, 18.9105



8.0819, 8.0460, 8.7420



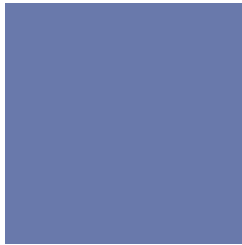
12.9863, 6.6571, 2.3076



0.3827, 0.1938, 0.1770

Previews

White Background



This preview shows how the XYZ color 20.0138, 19.6183, 41.2599 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 20.0138, 19.6183, 41.2599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

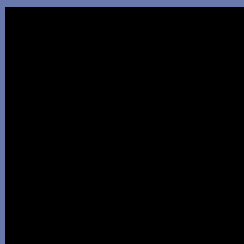
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

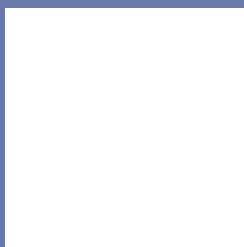
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0138, 19.6183, 41.2599

Background



This preview shows how black text looks on a background with the XYZ color 20.0138, 19.6183, 41.2599.



This preview shows how white text looks on a background with the XYZ color 20.0138, 19.6183,

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

20.0138, 19.6183, 41.2599

Protanopia

20.2515, 19.7408, 41.2711

Deuteranopia

20.0138, 19.6183, 41.2599



Tritanopia

17.1066, 19.5551, 26.9177

Trichromacy



Original Color

20.0138, 19.6183, 41.2599

Protanomaly

20.1319, 19.6792, 41.2655

Deuteranomaly

20.0138, 19.6183, 41.2599

Tritanomaly

18.0942, 19.5786, 31.6795

Monochromacy



Original Color

20.0138, 19.6183, 41.2599

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.8956, 19.5255, 27.5838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0138, 19.6183, 41.2599 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(105, 121, 171)` looks like.

```
.text, #text, p{  
    color:rgb(105, 121, 171)  
}
```

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(105, 121, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 121, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.0138, 19.6183, 41.2599 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(105, 121, 171) }
```


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

```
.border{ border-color:rgb(105, 121, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 121, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 121, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 121, 171);  
box-shadow:4px 4px 4px 4px rgb(105, 121,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0138, 19.6183, 41.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 121, 171) }
```

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

```
.background{ background-color: rgb(105,  
121, 171) }
```

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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