

Converting Colors

XYZ(20.2504, 19.3045, 52.2338)

Have a look what the booklet for
XYZ(20.2504, 19.3045, 52.2338)
contains.

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Color

**XYZ(20.2403, 19.3184,
51.9523)**

Conversions

Conversions Part 1

Format	Color
Hex	5978BF
RGB	89, 120, 191
RGB Percent	35%, 47%, 75%
CMY	0.6510, 0.5294, 0.2510
CMYK	0.53, 0.37, 0.00, 0.25
HSL	222°, 44%, 55%
HSV	222°, 53%, 75%
XYZ	20.2403, 19.3184, 51.9523
YIQ	118.8250, -41.2670, 15.5090

Conversions

Conversions Part 2

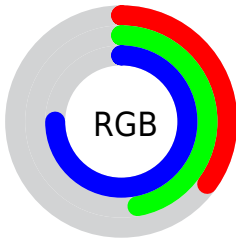
Format	Color
R _Y B	89, 113, 191
Decimal	5863615
CIE Lab	51.06, 9.54, -40.67
CIE LCh	51, 41.770, 283.202
Yxy	19.3184, 0.2212, 0.2111
Android (android.graphics.Color)	4284053695 (0xFF5978BF)
YUV	118.8250, 35.5823, -26.1565
Hunter-Lab	43.9527, 5.2823, -39.3142

Details

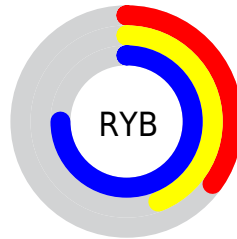
The XYZ color **20.2403, 19.3184, 51.9523** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.8610, 36.9409, 14.6925**, and the grayscale version is **17.3806, 18.2857, 19.9131**.

A 20% lighter version of the original color is **43.3729, 42.3021, 94.6861**, and **7.2847, 6.6739, 24.5712** is the 20% darker color. If you saturate the color by 10%, you get **17.1501, 15.5144, 51.3813**, and if you desaturate by 10%, it is **24.0295, 23.8129, 52.6205**.

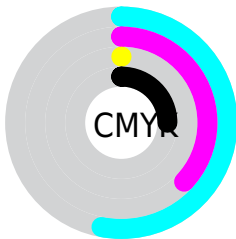
Distribution



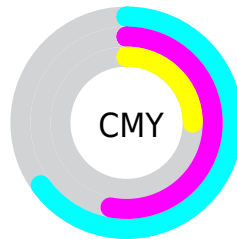
- Red (35%)
- Green (47%)
- Blue (75%)



- Red (35%)
- Yellow (44%)
- Blue (75%)



- Cyan (53%)
- Magenta (37%)
- Yellow (0%)
- Black (25%)



- Cyan (65%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2403, 19.3184, 51.9523 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 20.2403, 19.3184, 51.9523 by changing the saturation by 10% instead.

■ 20.2403, 19.3184,
51.9523

■ 20.2403, 19.3184,
51.9523

246.0219,
248.2009, 411.2041

■ 12.6791, 11.9006,
36.5851

■ 43.3206, 42.2714,
94.4868

■ 7.2834, 6.6760,
24.5931

■ 59.5704, 58.5754,
122.4911

■ 3.6879, 3.2603,
15.5579

■ 79.4471, 78.6103,
155.5448

■ 1.5271, 1.2691,
9.0609

■ 103.3161,
102.7603, 194.0666

■ 0.3442, 0.1171,
4.6836

131.5427,
131.4100, 238.4748

■ 0.0000, 0.0000,
2.0074

164.4923,

■ 0.0000, 0.0000,

164.9438, 289.1881

0.5598

202.5303,
203.7459, 346.6251

■ 0.0000, 0.0000,
0.0000

■ 20.2403, 19.3184,
51.9523

■ 20.2403, 19.3184,
51.9523

■ 17.1501, 15.5144,
51.3813

■ 24.0295, 23.8129,
52.6205

■ 14.7100, 12.3614,
50.9013

■ 28.5576, 29.0304,
53.3889

■ 12.8677, 9.8182,
50.5075

■ 33.8639, 35.0035,
54.2622

■ 11.5607, 7.8371,
50.1940

■ 39.9844, 41.7622,
55.2441

■ 10.9194, 6.7923,
50.0262

■ 46.9526, 49.3346,
56.3385

■ 54.8001, 57.7477,
57.5488

■ 63.5568, 67.0268,
58.8783

■ 73.2513, 77.1965,
60.3303

■ 81.7046, 87.1427,
61.8046

Harmonies

Analogous

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



16.1558, 19.3184, 51.2788



20.2403, 19.3184, 51.9523



24.3680, 19.3184, 42.4137

Triad

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



20.2403, 19.3184, 51.9523



24.7970, 19.3184, 8.9692



11.7465, 19.3184, 15.1099

Complementary

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



20.2403, 19.3184, 51.9523



35.8610, 36.9409, 14.6925

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.



13.4334, 19.3184, 8.4083



20.2403, 19.3184, 51.9523



20.7595, 19.3184, 5.8875

Square

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



20.2403, 19.3184, 51.9523



27.2531, 19.3184, 16.2454



16.6028, 19.3184, 5.7305



11.6507, 19.3184, 26.6827

Rectangle

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



20.2403, 19.3184, 51.9523



26.4231, 19.3184, 33.0779



16.6028, 19.3184, 5.7305



12.1332, 19.3184, 12.3393

Sweetspot

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



20.2410, 19.3191, 51.9528



68.3326, 71.1963, 98.4199



28.9835, 41.8789, 39.2214



14.4962, 15.0730, 21.5306



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.2410, 19.3191, 51.9528



29.9345, 26.7985, 91.8740



19.1253, 14.0769, 50.9997



9.2466, 9.6855, 12.0544



7.2390, 4.5898, 32.8973



0.3430, 0.2987, 1.3084

Inverse Universe

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



28.4491, 19.5782, 20.0494



46.5840, 28.8009, 26.8290



37.5139, 46.7881, 16.5061



9.6463, 9.5828, 10.5266



14.6547, 7.4930, 3.4753



0.6040, 0.3055, 0.2942

Previews

White Background



This preview shows how the XYZ color 20.2403, 19.3184, 51.9523 looks on a white background.

Color Contrast Check

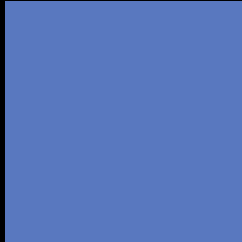
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2403, 19.3184, 51.9523 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

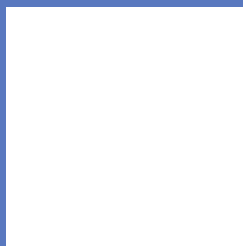
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2403, 19.3184, 51.9523

Background



This preview shows how black text looks on a background with the XYZ color 20.2403, 19.3184, 51.9523.

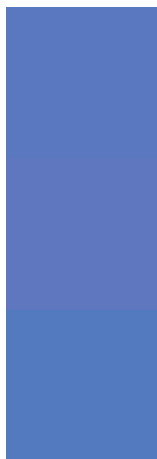


This preview shows how white text looks on a background with the XYZ color 20.2403, 19.3184,

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

20.2403, 19.3184, 51.9523

Protanopia

20.6104, 19.3443, 51.3627

Deuteranopia

19.8086, 19.2753, 51.9667



Tritanopia

15.3889, 19.2279, 28.0996

Trichromacy



Original Color

20.2403, 19.3184, 51.9523

Protanomaly

20.4053, 19.2385, 51.3531

Deuteranomaly

19.9877, 19.3676, 51.9751

Tritanomaly

16.8607, 19.0446, 35.5882

Monochromacy



Original Color

20.2403, 19.3184, 51.9523

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8920, 18.4261, 29.4017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2403, 19.3184, 51.9523 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(89, 120, 191)` looks like.

```
.text, #text, p{  
    color:rgb(89, 120, 191)  
}
```

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(89, 120, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 120, 191) }
```

Border

The CSS property to change the border of an element to XYZ 20.2403, 19.3184, 51.9523 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(89, 120, 191) }
```


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

```
.border{ border-color:rgb(89, 120, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 120, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 120, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 120, 191);  
box-shadow:4px 4px 4px 4px rgb(89, 120,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2403, 19.3184, 51.9523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 120, 191) }
```

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

```
.background{ background-color: rgb(89, 120,  
191) }
```

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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