

Converting Colors

XYZ(19.2732, 20.6432, 41.3798)

Have a look what the booklet for
XYZ(19.2732, 20.6432, 41.3798)
contains.

XYZ(19.1897, 20.5025, 41.4740)	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(19.1897, 20.5025,
41.4740)**

Conversions

Conversions Part 1

Format	Color
Hex	5980AB
RGB	89, 128, 171
RGB Percent	35%, 50%, 67%
CMY	0.6510, 0.4980, 0.3294
CMYK	0.48, 0.25, 0.00, 0.33
HSL	211°, 33%, 51%
HSV	211°, 48%, 67%
XYZ	19.1897, 20.5025, 41.4740
YIQ	121.2410, -37.0470, 5.1050

Conversions

Conversions Part 2

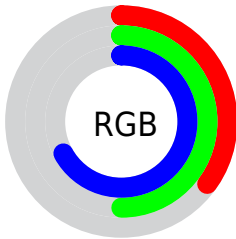
Format	Color
R _Y B	89, 115, 171
Decimal	5865643
CIE Lab	52.40, -1.51, -27.05
CIE LCh	52, 27.088, 266.811
Yxy	20.5025, 0.2364, 0.2526
Android (android.graphics.Color)	4284055723 (0xFF5980AB)
YUV	121.2410, 24.5312, -28.2754
Hunter-Lab	45.2797, -3.5905, -22.6110

Details

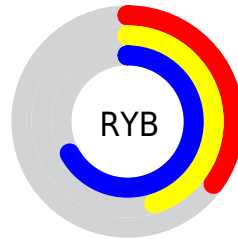
The XYZ color **19.1897, 20.5025, 41.4740** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.8496, 25.8825, 13.0327**, and the grayscale version is **18.1842, 19.1312, 20.8339**.

A 20% lighter version of the original color is **41.7167, 44.4334, 79.0509**, and **6.7854, 7.2640, 18.4972** is the 20% darker color. If you saturate the color by 10%, you get **16.6171, 17.5163, 41.0336**, and if you desaturate by 10%, it is **22.2483, 23.8934, 41.9677**.

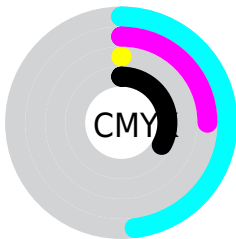
Distribution



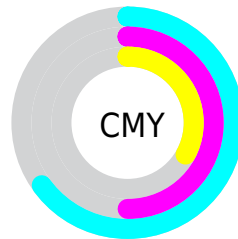
- Red (35%)
- Green (50%)
- Blue (67%)



- Red (35%)
- Yellow (45%)
- Blue (67%)



- Cyan (48%)
- Magenta (25%)
- Yellow (0%)
- Black (33%)



- Cyan (65%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1897, 20.5025, 41.4740 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 19.1897, 20.5025, 41.4740 by changing the saturation by 10% instead.

■ 19.1897, 20.5025,
41.4740

■ 19.1897, 20.5025,
41.4740

240.4121,
254.6226, 368.0329

■ 11.9123, 12.7608,
28.3672

■ 41.5688, 44.2581,
78.6644

■ 6.7557, 7.2641,
18.3612

■ 57.4012, 61.0408,
103.5850

■ 3.3548, 3.6278,
11.0375

■ 76.8159, 81.6059,
133.2807

■ 1.3440, 1.4676,
5.9776

■ 100.1783,
106.3380, 168.1699

■ 0.2158, 0.2658,
2.7629

127.8538,
135.6213, 208.6711

■ 0.0000, 0.0000,
0.9749

160.2076,

■ 0.0000, 0.0000,

169.8402, 255.2031

0.0000

197.6053,
209.3792, 308.1841

■ 19.1897, 20.5025,
41.4740

■ 19.1897, 20.5025,
41.4740

■ 16.6171, 17.5163,
41.0336

■ 22.2483, 23.8934,
41.9677

■ 14.4988, 14.9135,
40.6428

■ 25.8174, 27.7045,
42.5152

■ 12.8027, 12.6737,
40.2999

■ 29.9226, 31.9528,
43.1188

■ 11.4904, 10.7729,
40.0022

■ 34.5867, 36.6538,
43.7804

■ 10.5006, 9.1749,
39.7459

■ 39.8313, 41.8220,
44.5015

■ 10.3177, 8.8742,
39.6975

■ 45.6769, 47.4712,
45.2838

■ 52.1428, 53.6148,
46.1289

■ 59.2474, 60.2653,
47.0381

■ 67.0084, 67.4350,
48.0129

Harmonies

Analogous

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



16.6922, 20.5025, 37.8299



19.1897, 20.5025, 41.4740



22.0114, 20.5025, 39.0594

Triad

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



19.1897, 20.5025, 41.4740



24.6846, 20.5025, 16.0795



15.3288, 20.5025, 14.9176

Complementary

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



19.1897, 20.5025, 41.4740



26.8496, 25.8825, 13.0327

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.



17.1634, 20.5025, 11.2169



19.1897, 20.5025, 41.4740



22.5776, 20.5025, 11.7665

Square

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



19.1897, 20.5025, 41.4740



25.3568, 20.5025, 23.1906



19.7874, 20.5025, 10.2180



14.6011, 20.5025, 21.4788

Rectangle

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



19.1897, 20.5025, 41.4740



23.6713, 20.5025, 34.5935



19.7874, 20.5025, 10.2180



15.8274, 20.5025, 13.3640

Sweetspot

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



19.1904, 20.5033, 41.4745



56.5643, 60.2476, 77.6496



22.8050, 32.8988, 26.7522



12.2336, 13.0497, 17.2618



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.



19.1904, 20.5033, 41.4745



29.3144, 30.8375, 73.4091



15.1760, 12.2780, 40.0984



7.8813, 8.3620, 10.1513



7.8301, 6.7940, 29.9432



0.2729, 0.2991, 0.8513

Inverse Universe

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



24.2639, 17.3620, 22.4952



39.8722, 25.7113, 33.5971



32.8649, 38.3527, 15.1227



8.1579, 8.0764, 9.1422



13.8159, 6.9889, 6.6759



0.4121, 0.2055, 0.3320

Previews

White Background



This preview shows how the XYZ color 19.1897, 20.5025, 41.4740 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 19.1897, 20.5025, 41.4740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

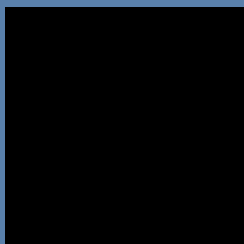
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

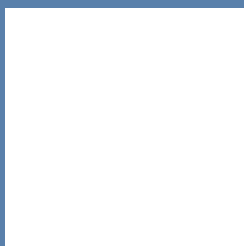
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1897, 20.5025, 41.4740

Background



This preview shows how black text looks on a background with the XYZ color 19.1897, 20.5025, 41.4740.

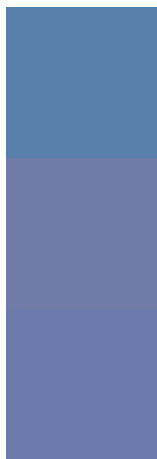


This preview shows how white text looks on a background with the XYZ color 19.1897, 20.5025,

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

19.1897, 20.5025, 41.4740

Protanopia

20.7401, 20.4007, 39.4038

Deuteranopia

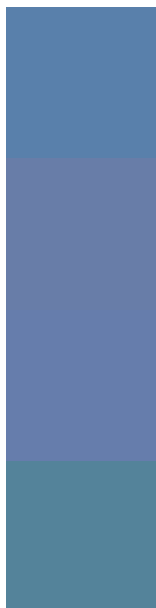
20.8360, 20.3957, 41.8683



Tritanopia

16.8149, 20.5380, 29.4635

Trichromacy



Original Color

19.1897, 20.5025, 41.4740

Protanomaly

20.1104, 20.4374, 39.9307

Deuteranomaly

20.2595, 20.4706, 41.9131

Tritanomaly

17.6052, 20.4505, 33.5913

Monochromacy



Original Color

19.1897, 20.5025, 41.4740

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.1745, 19.5306, 27.2380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1897, 20.5025, 41.4740 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, 128, 171)` looks like.

```
.text, #text, p{  
    color:rgb(89, 128, 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(89, 128, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 128, 171) }
```

Border

The CSS property to change the border of an element to XYZ 19.1897, 20.5025, 41.4740 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, 128, 171) }
```


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

```
.border{ border-color:rgb(89, 128, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 128, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 128, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 128, 171);  
box-shadow:4px 4px 4px 4px rgb(89, 128,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1897, 20.5025, 41.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 128, 171) }
```

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

```
.background{ background-color: rgb(89, 128,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor