

Converting Colors

XYZ(19.6465, 20.7840, 41.5046)

Have a look what the booklet for
XYZ(19.6465, 20.7840, 41.5046)
contains.

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Color

**XYZ(19.5841, 20.7058,
41.4925)**

Conversions

Conversions Part 1

Format	Color
Hex	5D80AB
RGB	93, 128, 171
RGB Percent	36%, 50%, 67%
CMY	0.6353, 0.4980, 0.3294
CMYK	0.46, 0.25, 0.00, 0.33
HSL	213°, 32%, 52%
HSV	213°, 46%, 67%
XYZ	19.5841, 20.7058, 41.4925
YIQ	122.4370, -34.6630, 5.9530

Conversions

Conversions Part 2

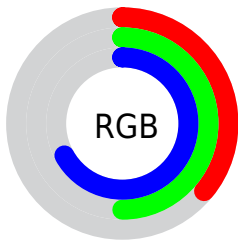
Format	Color
R_{YB}	93, 117, 171
Decimal	6127787
CIE _{Lab}	52.63, -0.48, -26.68
CIE _{LCh}	53, 26.683, 268.964
Yxy	20.7058, 0.2395, 0.2532
Android (android.graphics.Color)	4284317867 (0xFF5D80AB)
YUV	122.4370, 23.9416, -25.8162
Hunter-Lab	45.5036, -2.8075, -22.2111

Details

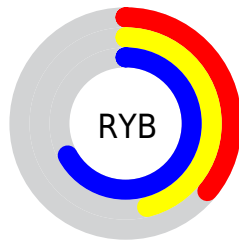
The XYZ color **19.5841, 20.7058, 41.4925** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.5752, 27.0574, 14.1261**, and the grayscale version is **18.5744, 19.5417, 21.2809**.

A 20% lighter version of the original color is **42.2840, 44.7418, 78.3589**, and **6.9625, 7.3552, 18.5055** is the 20% darker color. If you saturate the color by 10%, you get **16.8700, 17.5656, 41.0298**, and if you desaturate by 10%, it is **22.8009, 24.2756, 42.0124**.

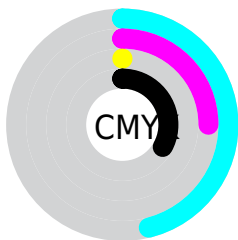
Distribution



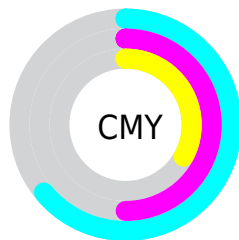
- Red (36%)
- Green (50%)
- Blue (67%)



- Red (36%)
- Yellow (46%)
- Blue (67%)



- Cyan (46%)
- Magenta (25%)
- Yellow (0%)
- Black (33%)



- Cyan (64%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5841, 20.7058, 41.4925 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 19.5841, 20.7058, 41.4925 by changing the saturation by 10% instead.

■ 19.5841, 20.7058,
41.4925

■ 19.5841, 20.7058,
41.4925

242.5313,
255.7108, 368.1122

■ 12.1996, 12.9091,
28.3815

■ 42.2281, 44.5974,
78.6927

■ 6.9529, 7.3660,
18.3719

■ 58.2182, 61.4611,
103.6191

■ 3.4787, 3.6920,
11.0451

■ 77.8077, 82.1159,
133.3210

■ 1.4117, 1.5028,
5.9826

■ 101.3618,
106.9463, 168.2169

■ 0.2645, 0.2907,
2.7659

129.2458,
136.3365, 208.7255

■ 0.0000, 0.0000,
0.9764

161.8252,

■ 0.0000, 0.0000,

170.6711, 255.2652

0.0000

199.4652,
210.3344, 308.2546

■ 19.5841, 20.7058,
41.4925

■ 19.5841, 20.7058,
41.4925

■ 16.8700, 17.5656,
41.0298

■ 22.8009, 24.2756,
42.0124

■ 14.6272, 14.8330,
40.6206

■ 26.5449, 28.2908,
42.5901

■ 12.8240, 12.4872,
40.2628

■ 30.8416, 32.7691,
43.2280

■ 11.4230, 10.5040,
39.9539

■ 35.7139, 37.7267,
43.9281

■ 10.3772, 8.8538,
39.6905

■ 41.1835, 43.1785,
44.6921

■ 9.9858, 8.2104,
39.5869

■ 47.2709, 49.1390,
45.5218

■ 53.9955, 55.6220,
46.4187

■ 61.3760, 62.6407,
47.3845

■ 69.4303, 70.2079,
48.4206

Harmonies

Analogous

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



17.0601, 20.7058, 38.3024



19.5841, 20.7058, 41.4925



22.3736, 20.7058, 38.6965

Triad

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



19.5841, 20.7058, 41.4925



24.7174, 20.7058, 15.9361



15.4605, 20.7058, 15.5600

Complementary

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



19.5841, 20.7058, 41.4925



27.5752, 27.0574, 14.1261

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.



17.2122, 20.7058, 11.6600



19.5841, 20.7058, 41.4925



22.5558, 20.7058, 11.8386

Square

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



19.5841, 20.7058, 41.4925



25.4999, 20.7058, 22.8220



19.7767, 20.7058, 10.4749



14.8211, 20.7058, 22.2704

Rectangle

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



19.5841, 20.7058, 41.4925



23.9771, 20.7058, 34.1149



19.7767, 20.7058, 10.4749



15.9301, 20.7058, 13.9406

Sweetspot

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



19.5848, 20.7066, 41.4930



56.3643, 59.8476, 77.5829



23.5146, 33.2283, 28.4305



12.1832, 12.9489, 17.2450



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.



19.5848, 20.7066, 41.4930



30.0539, 31.2700, 73.4536



16.1850, 13.3058, 40.2437



7.8637, 8.3268, 10.1455



7.5789, 6.2916, 29.8595



0.2659, 0.2852, 0.8490

Inverse Universe

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



24.6059, 18.0460, 22.6092



40.5009, 26.9407, 33.8927



32.4967, 38.1430, 16.0064



8.1490, 8.0729, 9.0955



13.6891, 6.9382, 6.0083



0.4086, 0.2041, 0.3136

Previews

White Background



This preview shows how the XYZ color 19.5841, 20.7058, 41.4925 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 19.5841, 20.7058, 41.4925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

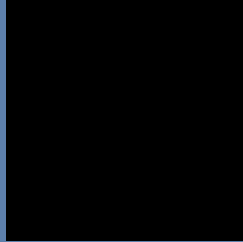
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5841, 20.7058, 41.4925

Background



This preview shows how black text looks on a background with the XYZ color 19.5841, 20.7058, 41.4925.

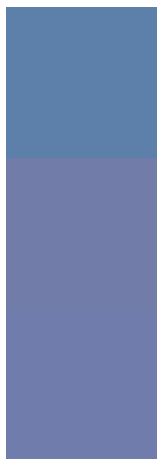


This preview shows how white text looks on a background with the XYZ color 19.5841, 20.7058,

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

19.5841, 20.7058, 41.4925

Protanopia

21.0856, 20.7532, 39.9402

Deuteranopia

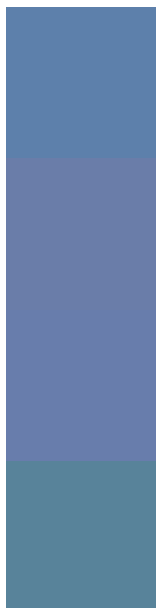
21.2096, 20.7734, 41.9215



Tritanopia

17.1679, 20.7200, 29.4801

Trichromacy



Original Color

19.5841, 20.7058, 41.4925

Protanomaly

20.4389, 20.5960, 40.4343

Deuteranomaly

20.4889, 20.5888, 41.9239

Tritanomaly

17.9735, 20.6404, 33.6085

Monochromacy



Original Color

19.5841, 20.7058, 41.4925

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4968, 19.6883, 27.6363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5841, 20.7058, 41.4925 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(93, 128, 171)` looks like.

```
.text, #text, p{  
    color:rgb(93, 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(93, 128, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 128, 171) }
```

Border

The CSS property to change the border of an element to XYZ 19.5841, 20.7058, 41.4925 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(93, 128, 171) }
```


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

```
.border{ border-color:rgb(93, 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(93, 128, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 128, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 128, 171);  
box-shadow:4px 4px 4px 4px rgb(93, 128,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5841, 20.7058, 41.4925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 128, 171) }
```

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

```
.background{ background-color: rgb(93, 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](#).

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