

Converting Colors

XYZ(21.3460, 18.4484, 53.6166)

Have a look what the booklet for
XYZ(21.3460, 18.4484, 53.6166)
contains.

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Color

**XYZ(21.3575, 18.4866,
53.4816)**

Conversions

Conversions Part 1

Format	Color
Hex	6970C2
RGB	105, 112, 194
RGB Percent	41%, 44%, 76%
CMY	0.5882, 0.5608, 0.2392
CMYK	0.46, 0.42, 0.00, 0.24
HSL	235°, 42%, 59%
HSV	235°, 46%, 76%
XYZ	21.3575, 18.4866, 53.4816
YIQ	119.2550, -30.4940, 24.0180

Conversions

Conversions Part 2

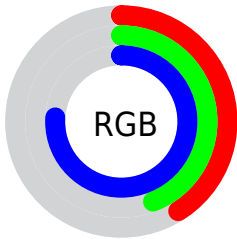
Format	Color
R_{YB}	105, 111, 194
Decimal	6910146
CIE _{Lab}	50.08, 19.14, -43.87
CIE _{LCh}	50, 47.864, 293.577
Yxy	18.4866, 0.2288, 0.1981
Android (android.graphics.Color)	4285100226 (0xFF6970C2)
YUV	119.2550, 36.8493, -12.5016
Hunter-Lab	42.9960, 13.4235, -43.6520

Details

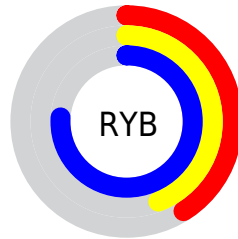
The XYZ color **21.3575, 18.4866, 53.4816** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **42.5695, 48.0317, 20.3932**, and the grayscale version is **17.5098, 18.4216, 20.0612**.

A 20% lighter version of the original color is **45.1853, 40.9895, 96.7970**, and **7.8905, 6.3270, 25.6163** is the 20% darker color. If you saturate the color by 10%, you get **17.5531, 13.8827, 52.7938**, and if you desaturate by 10%, it is **26.0746, 24.1427, 54.3251**.

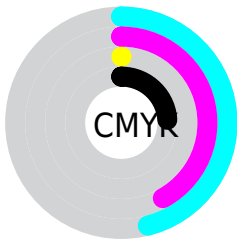
Distribution



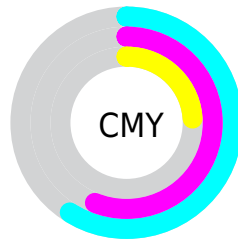
- Red (41%)
- Green (44%)
- Blue (76%)



- Red (41%)
- Yellow (44%)
- Blue (76%)



- Cyan (46%)
- Magenta (42%)
- Yellow (0%)
- Black (24%)



- Cyan (59%)
- Magenta (56%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3575, 18.4866, 53.4816 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 21.3575, 18.4866, 53.4816 by changing the saturation by 10% instead.

■ 21.3575, 18.4866,
53.4816

■ 21.3575, 18.4866,
53.4816

251.8683,
243.5996, 417.2487

■ 13.4995, 11.2999,
37.7970

■ 45.1686, 40.8648,
96.7614

■ 7.8528, 6.2689,
25.5246

■ 61.8524, 56.8250,
125.1936

■ 4.0519, 3.0093,
16.2457

■ 82.2088, 76.4785,
158.7122

■ 1.7315, 1.1366,
9.5420

■ 106.6033,
100.2098, 197.7357

■ 0.4759, 0.0090,
4.9947

135.4011,
128.4031, 242.6825

■ 0.0000, 0.0000,
2.1855

168.9676,

■ 0.0000, 0.0000,

161.4430, 293.9712

0.6660

207.6682,
199.7137, 352.0205

■ 0.0000, 0.0000,
0.0000

■ 21.3575, 18.4866,
53.4816

■ 21.3575, 18.4866,
53.4816

■ 17.5531, 13.8827,
52.7938

■ 26.0746, 24.1427,
54.3251

■ 14.6001, 10.2641,
52.2510

■ 31.7561, 30.9086,
55.3316

■ 12.4331, 7.5590,
51.8431

■ 38.4522, 38.8398,
56.5095

■ 10.9763, 5.6853,
51.5582

■ 46.2092, 47.9878,
57.8665

■ 10.1369, 4.5448,
51.3823

■ 55.0704, 58.4009,
59.4093

■ 9.9121, 4.2439,
51.3361

■ 65.0768, 70.1246,
61.1448

■ 76.2672, 83.2024,
63.0793

■ 86.7377, 96.6750,
65.1279

■ 86.7377, 96.6751,
65.1280

Harmonies

Analogous

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



16.5985, 18.4866, 57.3273



21.3575, 18.4866, 53.4816



25.7059, 18.4866, 39.2609

Triad

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



21.3575, 18.4866, 53.4816



23.3726, 18.4866, 5.8386



10.1566, 18.4866, 17.4221

Complementary

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



21.3575, 18.4866, 53.4816



42.5695, 48.0317, 20.3932

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.



11.3636, 18.4866, 8.5110



21.3575, 18.4866, 53.4816



18.5806, 18.4866, 3.9789

Square

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



21.3575, 18.4866, 53.4816



27.0042, 18.4866, 11.5913



14.2607, 18.4866, 4.6812



10.6385, 18.4866, 32.0764

Rectangle

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



21.3575, 18.4866, 53.4816



27.5108, 18.4866, 28.1869



14.2607, 18.4866, 4.6812



10.3703, 18.4866, 13.7745

Sweetspot

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



21.3582, 18.4872, 53.4821



71.8524, 72.9514, 102.7638



34.0434, 45.1575, 53.7027



15.0996, 15.2249, 22.3928



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.3582, 18.4872, 53.4821



31.8028, 25.1533, 95.6487



25.9598, 19.7575, 53.4847



9.5905, 9.8724, 12.6849



6.5414, 2.8394, 33.7599



0.3049, 0.1672, 1.4661

Inverse Universe

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



30.2251, 22.7434, 18.1265



49.9516, 34.1931, 23.2085



35.7308, 46.7639, 20.5089



10.1046, 10.0905, 10.6415



14.6978, 7.5689, 1.0547



0.6463, 0.3315, 0.1048

Previews

White Background



This preview shows how the XYZ color 21.3575, 18.4866, 53.4816 looks on a white background.

Color Contrast Check

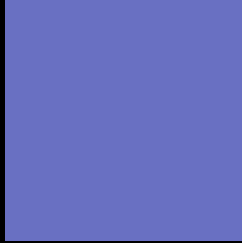
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3575, 18.4866, 53.4816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

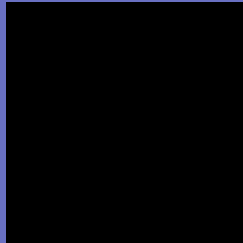
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3575, 18.4866, 53.4816

Background



This preview shows how black text looks on a background with the XYZ color 21.3575, 18.4866, 53.4816.

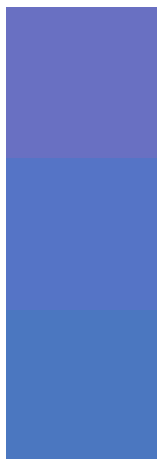


This preview shows how white text looks on a background with the XYZ color 21.3575, 18.4866,

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

21.3575, 18.4866, 53.4816

Protanopia

20.1847, 18.4993, 55.9330

Deuteranopia

19.0129, 18.4953, 52.4370



Tritanopia

15.8266, 18.5403, 25.6662

Trichromacy



Original Color

21.3575, 18.4866, 53.4816

Protanomaly

20.6224, 18.5680, 55.3204

Deuteranomaly

19.7088, 18.3195, 52.9493

Tritanomaly

17.4365, 18.2661, 34.0592

Monochromacy



Original Color

21.3575, 18.4866, 53.4816

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.3731, 18.1435, 29.7278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3575, 18.4866, 53.4816 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, 112, 194)` looks like.

```
.text, #text, p{  
    color:rgb(105, 112, 194)  
}
```

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, 112, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 112, 194) }
```

Border

The CSS property to change the border of an element to XYZ 21.3575, 18.4866, 53.4816 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, 112, 194) }
```


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

```
.border{ border-color:rgb(105, 112, 194) }
```

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

Here you see how a box with a 4 pixel rgb(105, 112, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 112, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 112, 194);  
box-shadow:4px 4px 4px 4px rgb(105, 112,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3575, 18.4866, 53.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 112, 194) }
```

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

```
.background{ background-color: rgb(105,  
112, 194) }
```

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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