

Converting Colors

XYZ(19.6866, 21.0589, 45.6750)

Have a look what the booklet for
XYZ(19.6866, 21.0589, 45.6750)
contains.

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Color

**XYZ(19.6866, 21.0589,
45.6750)**

Conversions

Conversions Part 1

Format	Color
Hex	5382B3
RGB	83, 130, 179
RGB Percent	33%, 51%, 70%
CMY	0.6745, 0.4902, 0.2980
CMYK	0.54, 0.27, 0.00, 0.30
HSL	211°, 39%, 51%
HSV	211°, 54%, 70%
XYZ	19.6866, 21.0589, 45.6750
YIQ	121.5330, -43.7410, 5.2750

Conversions

Conversions Part 2

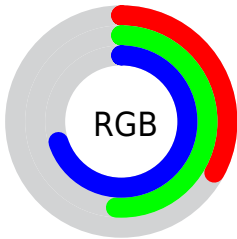
Format	Color
R _Y B	83, 115, 179
Decimal	5472947
CIE Lab	53.01, -1.64, -30.73
CIE LCh	53, 30.771, 266.945
Yxy	21.0589, 0.2278, 0.2437
Android (android.graphics.Color)	4283663027 (0xFF5382B3)
YUV	121.5330, 28.3312, -33.7934
Hunter-Lab	45.8900, -3.7317, -26.8893

Details

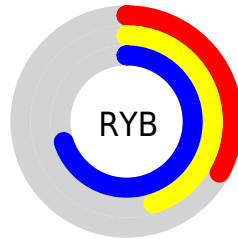
The XYZ color **19.6866, 21.0589, 45.6750** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.4039, 26.7120, 11.8435**, and the grayscale version is **18.2684, 19.2198, 20.9303**.

A 20% lighter version of the original color is **42.4101, 45.2684, 85.0997**, and **6.9968, 7.5399, 20.8252** is the 20% darker color. If you saturate the color by 10%, you get **17.1447, 18.0241, 45.2236**, and if you desaturate by 10%, it is **22.7456, 24.5213, 46.1825**.

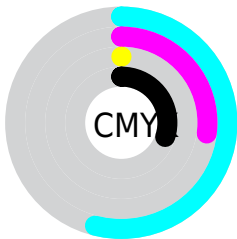
Distribution



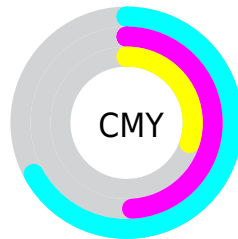
- Red (33%)
- Green (51%)
- Blue (70%)



- Red (33%)
- Yellow (45%)
- Blue (70%)



- Cyan (54%)
- Magenta (27%)
- Yellow (0%)
- Black (30%)



- Cyan (67%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6866, 21.0589, 45.6750 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 19.6866, 21.0589, 45.6750 by changing the saturation by 10% instead.

■ 19.6866, 21.0589,
45.6750

■ 19.6866, 21.0589,
45.6750

243.0794,
257.5913, 385.7400

■ 12.2744, 13.1671,
31.6426

■ 42.3991, 45.1855,
85.0615

■ 7.0044, 7.5437,
20.8261

■ 58.4301, 62.1891,
111.2528

■ 3.5112, 3.8044,
12.8070

■ 78.0646, 82.9988,
142.3341

■ 1.4295, 1.5647,
7.1666

■ 101.6682,
107.9988, 178.7240

■ 0.2771, 0.3337,
3.4865

129.6061,
137.5737, 220.8410

■ 0.0000, 0.0000,
1.3481

162.2437,

■ 0.0000, 0.0000,

172.1079, 269.1036

0.1007

199.9464,
211.9856, 323.9305

■ 0.0000, 0.0000,
0.0000

■ 19.6866, 21.0589,
45.6750

■ 19.6866, 21.0589,
45.6750

■ 17.1447, 18.0241,
45.2236

■ 22.7456, 24.5213,
46.1825

■ 15.0828, 15.3924,
44.8243

■ 26.3509, 28.4291,
46.7468

■ 13.4618, 13.1398,
44.4750

■ 30.5318, 32.8017,
47.3704

■ 12.2346, 11.2374,
44.1724

■ 35.3148, 37.6566,
48.0554

■ 11.5965, 10.1742,
44.0008

■ 40.7248, 43.0100,
48.8036

■ 46.7851, 48.8776,
49.6167

■ 53.5178, 55.2741,
50.4965

■ 60.9438, 62.2137,
51.4446

■ 69.0832, 69.7098,
52.4625

Harmonies

Analogous

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



16.8154, 21.0589, 41.3041



19.6866, 21.0589, 45.6750



22.9644, 21.0589, 42.7238

Triad

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



19.6866, 21.0589, 45.6750



26.0792, 21.0589, 15.7766



15.2482, 21.0589, 14.5310

Complementary

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



19.6866, 21.0589, 45.6750



28.4039, 26.7120, 11.8435

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.



17.3312, 21.0589, 10.4466



19.6866, 21.0589, 45.6750



23.5986, 21.0589, 11.0181

Square

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



19.6866, 21.0589, 45.6750



26.8811, 21.0589, 23.8909



20.3488, 21.0589, 9.3583



14.4320, 21.0589, 21.9944

Rectangle

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



19.6866, 21.0589, 45.6750



24.9061, 21.0589, 37.3443



20.3488, 21.0589, 9.3583



15.8117, 21.0589, 12.8030

Sweetspot

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



19.6873, 21.0597, 45.6755



60.8772, 65.0590, 85.7302



23.7849, 35.7185, 27.1145



13.0954, 14.0174, 18.9377



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.6873, 21.0597, 45.6755



30.1172, 31.5519, 80.8840



14.7981, 11.2812, 44.0458



8.3740, 8.8941, 10.7817



8.2594, 7.3191, 31.1144



0.3183, 0.3472, 0.9985

Inverse Universe

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



25.7136, 17.3828, 23.1197



42.4511, 25.8420, 34.3121



36.2724, 42.4489, 14.4663



8.6639, 8.5723, 9.7288



14.4036, 7.2790, 7.2853



0.4827, 0.2408, 0.3846

Previews

White Background



This preview shows how the XYZ color 19.6866, 21.0589, 45.6750 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 19.6866, 21.0589, 45.6750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

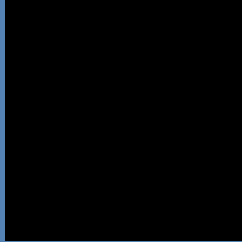
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6866, 21.0589, 45.6750

Background



This preview shows how black text looks on a background with the XYZ color 19.6866, 21.0589, 45.6750.

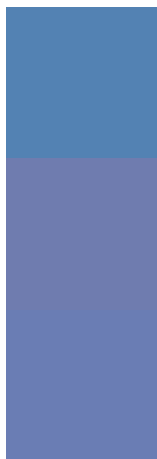


This preview shows how white text looks on a background with the XYZ color 19.6866, 21.0589,

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

19.6866, 21.0589, 45.6750

Protanopia

21.5011, 20.8900, 43.4564

Deuteranopia

21.5157, 21.0267, 46.1046



Tritanopia

16.6692, 21.0545, 30.7891

Trichromacy



Original Color

19.6866, 21.0589, 45.6750

Protanomaly

20.6642, 20.8230, 44.0044

Deuteranomaly

20.8646, 21.0707, 46.1474

Tritanomaly

17.6848, 21.0493, 35.9317

Monochromacy



Original Color

19.6866, 21.0589, 45.6750

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4759, 19.8385, 28.8420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6866, 21.0589, 45.6750 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(83, 130, 179)` looks like.

```
.text, #text, p{  
    color:rgb(83, 130, 179)  
}
```

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(83, 130, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 130, 179) }
```

Border

The CSS property to change the border of an element to XYZ 19.6866, 21.0589, 45.6750 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(83, 130, 179) }
```


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

```
.border{ border-color:rgb(83, 130, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 130, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 130, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 130, 179);  
box-shadow:4px 4px 4px 4px rgb(83, 130,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6866, 21.0589, 45.6750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 130, 179) }
```

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

```
.background{ background-color: rgb(83, 130,  
179) }
```

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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