

Converting Colors

XYZ(18.6861, 21.0689, 45.4650)

Have a look what the booklet for
XYZ(18.6861, 21.0689, 45.4650)
contains.

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Color

**XYZ(18.7710, 21.1880,
45.7482)**

Conversions

Conversions Part 1

Format	Color
Hex	4285B3
RGB	66, 133, 179
RGB Percent	26%, 52%, 70%
CMY	0.7412, 0.4784, 0.2980
CMYK	0.63, 0.26, 0.00, 0.30
HSL	204°, 46%, 48%
HSV	204°, 63%, 70%
XYZ	18.7710, 21.1880, 45.7482
YIQ	118.2110, -54.6980, 0.1020

Conversions

Conversions Part 2

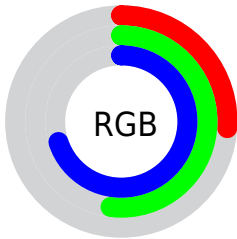
Format	Color
R _Y B	66, 108, 179
Decimal	4359603
CIE _{Lab}	53.15, -6.91, -30.56
CIE _{LCh}	53, 31.335, 257.268
Yxy	21.1880, 0.2190, 0.2472
Android (android.graphics.Color)	4282549683 (0xFF4285B3)
YUV	118.2110, 29.9690, -45.7890
Hunter-Lab	46.0304, -7.7617, -26.7052

Details

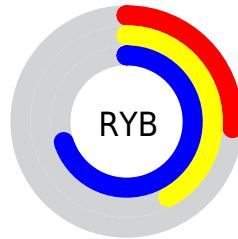
The XYZ color **18.7710, 21.1880, 45.7482** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.3689, 21.5667, 7.9809**, and the grayscale version is **17.2081, 18.1043, 19.7156**.

A 20% lighter version of the original color is **40.8665, 45.4011, 85.2066**, and **6.9362, 7.8470, 20.8877** is the 20% darker color. If you saturate the color by 10%, you get **16.7852, 18.7346, 45.3797**, and if you desaturate by 10%, it is **21.2049, 23.9759, 46.1585**.

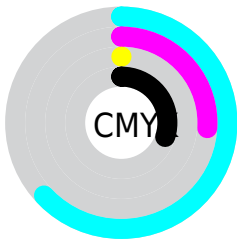
Distribution



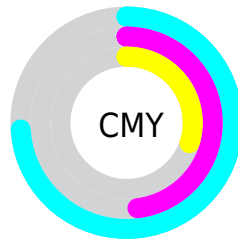
- Red (26%)
- Green (52%)
- Blue (70%)



- Red (26%)
- Yellow (42%)
- Blue (70%)



- Cyan (63%)
- Magenta (26%)
- Yellow (0%)
- Black (30%)



- Cyan (74%)
- Magenta (48%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7710, 21.1880, 45.7482 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 18.7710, 21.1880, 45.7482 by changing the saturation by 10% instead.

■ 18.7710, 21.1880,
45.7482

■ 18.7710, 21.1880,
45.7482

238.1441,
258.2759, 386.0435

■ 11.6079, 13.2615,
31.6999

■ 40.8667, 45.4002,
85.1723

■ 6.5476, 7.6089,
20.8695

■ 56.5300, 62.4547,
111.3853

■ 3.2246, 3.8457,
12.8383

■ 75.7574, 83.3206,
142.4902

■ 1.2736, 1.5876,
7.1879

■ 98.9143, 108.3824,
178.9057

■ 0.1634, 0.3492,
3.4997

■ 126.3661,
138.0245, 221.0502

■ 0.0000, 0.0000,
1.3551

158.4781,

■ 0.0000, 0.0000,

172.6311, 269.3423

0.1063

195.6156,
212.5868, 324.2006

■ 0.0000, 0.0000,
0.0000

■ 18.7710, 21.1880,
45.7482

■ 18.7710, 21.1880,
45.7482

■ 16.7852, 18.7346,
45.3797

■ 21.2049, 23.9759,
46.1585

■ 15.2072, 16.5917,
45.0493

■ 24.1178, 27.1152,
46.6109

■ 13.9925, 14.7348,
44.7549

■ 27.5404, 30.6238,
47.1077

■ 13.3044, 13.5899,
44.5702

■ 31.4997, 34.5179,
47.6507

■ 36.0211, 38.8122,
48.2412

■ 41.1280, 43.5206,
48.8809

■ 46.8426, 48.6562,
49.5710

■ 53.1856, 54.2317,
50.3128

■ 60.1770, 60.2589,
51.1077

Harmonies

Analogous

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



16.1290, 21.1880, 39.1754



18.7710, 21.1880, 45.7482



22.0832, 21.1880, 45.1627

Triad

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



18.7710, 21.1880, 45.7482



26.8325, 21.1880, 18.0813



15.8245, 21.1880, 12.7979

Complementary

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



18.7710, 21.1880, 45.7482



25.3689, 21.5667, 7.9809

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.



18.3116, 21.1880, 9.6954



18.7710, 21.1880, 45.7482



24.7629, 21.1880, 12.1230

Square

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



18.7710, 21.1880, 45.7482



26.9903, 21.1880, 27.3155



21.5710, 21.1880, 9.4879



14.5572, 21.1880, 19.2891

Rectangle

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



18.7710, 21.1880, 45.7482



24.2343, 21.1880, 40.7834



21.5710, 21.1880, 9.4879



16.5324, 21.1880, 11.4115

Sweetspot

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



18.7717, 21.1887, 45.7487



59.3742, 64.6600, 85.7324



21.2480, 34.5512, 20.6471



12.6631, 13.8548, 18.9291



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.



18.7717, 21.1887, 45.7487



28.8016, 31.8916, 81.0189



13.0593, 9.7638, 43.8446



8.4467, 9.0397, 10.8060



9.4666, 9.7335, 31.5168



0.3534, 0.4174, 1.0102

Inverse Universe

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



24.7729, 15.1745, 23.8143



41.0619, 22.5098, 35.5561



33.5217, 37.8723, 10.6985



8.7007, 8.5870, 9.9222



15.0129, 7.5227, 10.4940



0.5004, 0.2479, 0.4779

Previews

White Background



This preview shows how the XYZ color 18.7710, 21.1880, 45.7482 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 18.7710, 21.1880, 45.7482 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

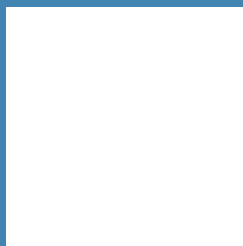
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7710, 21.1880, 45.7482

Background



This preview shows how black text looks on a background with the XYZ color 18.7710, 21.1880, 45.7482.

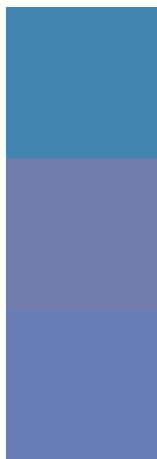


This preview shows how white text looks on a background with the XYZ color 18.7710, 21.1880,

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

18.7710, 21.1880, 45.7482

Protanopia

21.4621, 21.0905, 41.9694

Deuteranopia

21.4998, 21.0067, 46.6376



Tritanopia

15.9587, 21.0828, 32.0824

Trichromacy



Original Color

18.7710, 21.1880, 45.7482

Protanomaly

20.1763, 20.9664, 43.5409

Deuteranomaly

20.2718, 20.9578, 46.1568

Tritanomaly

16.8681, 21.0223, 36.8869

Monochromacy



Original Color

18.7710, 21.1880, 45.7482

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9622, 18.7120, 27.5287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7710, 21.1880, 45.7482 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(66, 133, 179)` looks like.

```
.text, #text, p{  
    color:rgb(66, 133, 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(66, 133, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 133, 179) }
```

Border

The CSS property to change the border of an element to XYZ 18.7710, 21.1880, 45.7482 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(66, 133, 179) }
```


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

```
.border{ border-color:rgb(66, 133, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 133, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 133, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 133, 179);  
box-shadow:4px 4px 4px 4px rgb(66, 133,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7710, 21.1880, 45.7482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 133, 179) }
```

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

```
.background{ background-color: rgb(66, 133,  
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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