

Converting Colors

XYZ(19.7593, 21.8712, 50.6812)

Have a look what the booklet for
XYZ(19.7593, 21.8712, 50.6812)
contains.

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Color

**XYZ(19.7166, 21.7710,
50.7400)**

Conversions

Conversions Part 1

Format	Color
Hex	4086BC
RGB	64, 134, 188
RGB Percent	25%, 53%, 74%
CMY	0.7490, 0.4745, 0.2627
CMYK	0.66, 0.29, 0.00, 0.26
HSL	206°, 49%, 49%
HSV	206°, 66%, 74%
XYZ	19.7166, 21.7710, 50.7400
YIQ	119.2260, -59.0540, 1.9540

Conversions

Conversions Part 2

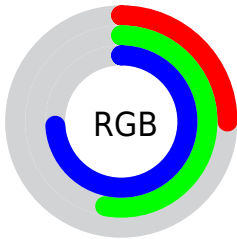
Format	Color
R_{YB}	64, 109, 188
Decimal	4228796
CIE _{Lab}	53.78, -4.81, -34.74
CIE _{LCh}	54, 35.073, 262.124
Yxy	21.7710, 0.2138, 0.2361
Android (android.graphics.Color)	4282418876 (0xFF4086BC)
YUV	119.2260, 33.9056, -48.4332
Hunter-Lab	46.6594, -6.2262, -31.8136

Details

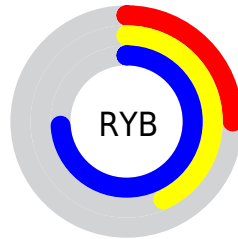
The XYZ color **19.7166, 21.7710, 50.7400** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.1442, 24.0204, 8.0048**, and the grayscale version is **17.5165, 18.4287, 20.0689**.

A 20% lighter version of the original color is **42.4116, 46.3574, 92.3005**, and **7.5516, 8.2182, 23.7425** is the 20% darker color. If you saturate the color by 10%, you get **17.6056, 19.0677, 50.3299**, and if you desaturate by 10%, it is **22.3287, 24.8635, 51.1997**.

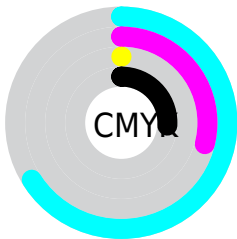
Distribution



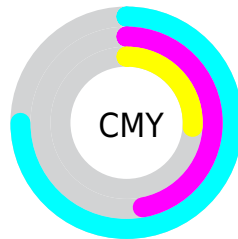
- Red (25%)
- Green (53%)
- Blue (74%)



- Red (25%)
- Yellow (43%)
- Blue (74%)



- Cyan (66%)
- Magenta (29%)
- Yellow (0%)
- Black (26%)



- Cyan (75%)
- Magenta (47%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7166, 21.7710, 50.7400 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 19.7166, 21.7710, 50.7400 by changing the saturation by 10% instead.

■ 19.7166, 21.7710,
50.7400

■ 19.7166, 21.7710,
50.7400

243.2397,
261.3480, 406.3705

■ 12.2963, 13.6887,
35.6264

■ 42.4491, 46.3672,
92.6779

■ 7.0194, 7.9045,
23.8584

■ 58.4920, 63.6500,
120.3393

■ 3.5207, 4.0339,
15.0174

■ 78.1398, 84.7683,
153.0204

■ 1.4347, 1.6925,
8.6848

■ 101.7578,
110.1067, 191.1398

■ 0.2808, 0.4188,
4.4422

■ 129.7115,
140.0494, 235.1159

■ 0.0000, 0.0000,
1.8709

162.3661,

■ 0.0000, 0.0000,

174.9810, 285.3674

0.4741

200.0870,
215.2857, 342.3127

■ 0.0000, 0.0000,
0.0000

■ 19.7166, 21.7710,
50.7400

■ 19.7166, 21.7710,
50.7400

■ 17.6056, 19.0677,
50.3299

■ 22.3287, 24.8635,
51.1997

■ 15.9482, 16.7250,
49.9651

■ 25.4789, 28.3659,
51.7097

■ 14.6880, 14.7111,
49.6428

■ 29.2030, 32.2998,
52.2727

■ 14.2442, 13.9648,
49.5221

■ 33.5328, 36.6843,
52.8908

■ 38.4976, 41.5371,
53.5658

■ 44.1248, 46.8748,
54.2995

■ 50.4399, 52.7130,
55.0936

■ 57.4673, 59.0667,
55.9496

■ 65.2299, 65.9501,
56.8690

Harmonies

Analogous

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



16.5592, 21.7710, 44.1223



19.7166, 21.7710, 50.7400



23.5403, 21.7710, 48.5615

Triad

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



19.7166, 21.7710, 50.7400



28.1485, 21.7710, 16.7233



15.4888, 21.7710, 13.1194

Complementary

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



19.7166, 21.7710, 50.7400



28.1442, 24.0204, 8.0048

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.



18.0845, 21.7710, 9.2200



19.7166, 21.7710, 50.7400



25.4625, 21.7710, 10.8179

Square

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



19.7166, 21.7710, 50.7400



28.7229, 21.7710, 26.6605



21.7005, 21.7710, 8.5289



14.3188, 21.7710, 20.9763

Rectangle

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



19.7166, 21.7710, 50.7400



25.9374, 21.7710, 42.6443



21.7005, 21.7710, 8.5289



16.2074, 21.7710, 11.4141

Sweetspot

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



19.7174, 21.7718, 50.7405



65.6897, 71.3257, 96.5312



23.3528, 38.3588, 23.2313



13.5879, 14.8106, 20.6851



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.7174, 21.7718, 50.7405



30.5078, 32.6369, 90.9178



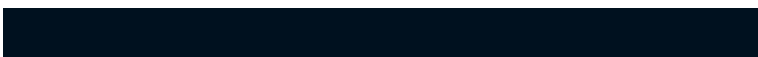
13.5272, 9.3915, 48.6772



9.4513, 10.0948, 12.1226



9.7731, 9.6580, 33.7420



0.4468, 0.5063, 1.3430

Inverse Universe

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



26.8763, 16.0805, 24.2421



45.1839, 24.3383, 35.8392



37.9326, 43.5972, 11.2676



9.7496, 9.6241, 11.0705



15.9338, 8.0047, 10.2109



0.6564, 0.3265, 0.5700

Previews

White Background



This preview shows how the XYZ color 19.7166, 21.7710, 50.7400 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 19.7166, 21.7710, 50.7400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

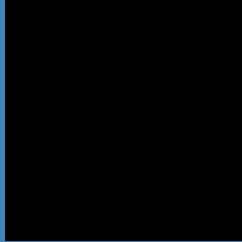
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7166, 21.7710, 50.7400

Background



This preview shows how black text looks on a background with the XYZ color 19.7166, 21.7710, 50.7400.

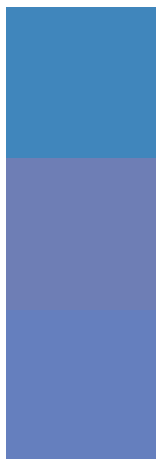


This preview shows how white text looks on a background with the XYZ color 19.7166, 21.7710,

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

19.7166, 21.7710, 50.7400

Protanopia

22.2318, 21.5729, 46.7083

Deuteranopia

22.2505, 21.6632, 51.7239



Tritanopia

16.1886, 21.8303, 33.0662

Trichromacy



Original Color

19.7166, 21.7710, 50.7400

Protanomaly

21.0162, 21.4884, 48.3874

Deuteranomaly

21.1924, 21.7141, 51.2184

Tritanomaly

17.2453, 21.5974, 38.8571

Monochromacy



Original Color

19.7166, 21.7710, 50.7400

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.3873, 19.0816, 29.1523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7166, 21.7710, 50.7400 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(64, 134, 188)` looks like.

```
.text, #text, p{  
    color:rgb(64, 134, 188)  
}
```

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(64, 134, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 134, 188) }
```

Border

The CSS property to change the border of an element to XYZ 19.7166, 21.7710, 50.7400 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(64, 134, 188) }
```


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

```
.border{ border-color:rgb(64, 134, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 134, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 134, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 134, 188);  
box-shadow:4px 4px 4px 4px rgb(64, 134,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7166, 21.7710, 50.7400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 134, 188) }
```

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

```
.background{ background-color: rgb(64, 134,  
188) }
```

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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