

Converting Colors

XYZ(21.2817, 19.9629, 55.1658)

Have a look what the booklet for
XYZ(21.2817, 19.9629, 55.1658)
contains.

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Color

**XYZ(21.2148, 19.9356,
54.9544)**

Conversions

Conversions Part 1

Format	Color
Hex	5C79C4
RGB	92, 121, 196
RGB Percent	36%, 47%, 77%
CMY	0.6392, 0.5255, 0.2314
CMYK	0.53, 0.38, 0.00, 0.23
HSL	223°, 47%, 56%
HSV	223°, 53%, 77%
XYZ	21.2148, 19.9356, 54.9544
YIQ	120.8790, -41.3590, 17.1770

Conversions

Conversions Part 2

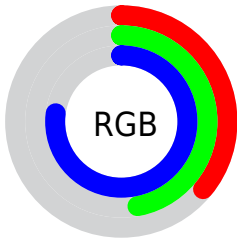
Format	Color
R _Y B	92, 115, 196
Decimal	6060484
CIE Lab	51.76, 11.21, -42.40
CIE LCh	52, 43.859, 284.810
Yxy	19.9356, 0.2207, 0.2074
Android (android.graphics.Color)	4284250564 (0xFF5C79C4)
YUV	120.8790, 37.0347, -25.3269
Hunter-Lab	44.6493, 6.6767, -41.7197

Details

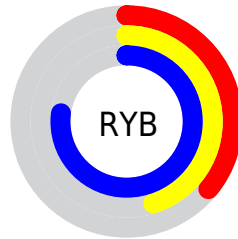
The XYZ color **21.2148, 19.9356, 54.9544** is a dark color, and the websafe version is hex **666699**. The color can be described as middle muted azure. A complement of this color would be **38.5165, 40.1473, 15.8454**, and the grayscale version is **18.0295, 18.9684, 20.6566**.

A 20% lighter version of the original color is **44.8859, 43.2749, 98.9157**, and **7.8004, 6.9941, 26.5301** is the 20% darker color. If you saturate the color by 10%, you get **17.9105, 15.8665, 54.3436**, and if you desaturate by 10%, it is **25.2789, 24.7706, 55.6738**.

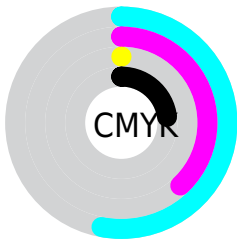
Distribution



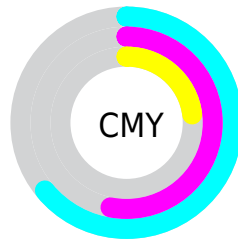
- Red (36%)
- Green (47%)
- Blue (77%)



- Red (36%)
- Yellow (45%)
- Blue (77%)



- Cyan (53%)
- Magenta (38%)
- Yellow (0%)
- Black (23%)



- Cyan (64%)
- Magenta (53%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2148, 19.9356, 54.9544 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 21.2148, 19.9356, 54.9544 by changing the saturation by 10% instead.

■ 21.2148, 19.9356,
54.9544

■ 21.2148, 19.9356,
54.9544

251.1280,
251.5663, 423.0161

■ 13.3945, 12.3482,
38.9669

■ 44.9333, 43.3092,
98.9446

■ 7.7796, 6.9813,
26.4263

■ 61.5622, 59.8642,
127.7844

■ 4.0049, 3.4504,
16.9142

■ 81.8580, 80.1772,
161.7453

■ 1.7049, 1.3712,
10.0120

■ 106.1861,
104.6327, 201.2459

■ 0.4593, 0.1953,
5.3012

134.9118,
133.6149, 246.7048

■ 0.0000, 0.0000,
2.3633

168.4004,

■ 0.0000, 0.0000,

167.5083, 298.5404

0.7663

207.0174,
206.6973, 357.1713

■ 0.0000, 0.0000,
0.0000

■ 21.2148, 19.9356,
54.9544

■ 21.2148, 19.9356,
54.9544

■ 17.9105, 15.8665,
54.3436

■ 25.2789, 24.7706,
55.6738

■ 15.3127, 12.5189,
53.8343

■ 30.1462, 30.4082,
56.5055

■ 13.3646, 9.8463,
53.4211

■ 35.8597, 36.8853,
57.4545

■ 11.9985, 7.7949,
53.0972

■ 42.4585, 44.2355,
58.5255

■ 11.3136, 6.6849,
52.9190

■ 49.9791, 52.4908,
59.7225

■ 58.4559, 61.6813,
61.0497

■ 67.9217, 71.8357,
62.5108

■ 78.4075, 82.9817,
64.1095

■ 84.8379, 92.5137,
65.6105

Harmonies

Analogous

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



16.7985, 19.9356, 54.8764



21.2148, 19.9356, 54.9544



25.6228, 19.9356, 44.0780

Triad

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



21.2148, 19.9356, 54.9544



25.6718, 19.9356, 8.6344



11.8468, 19.9356, 15.9106

Complementary

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



21.2148, 19.9356, 54.9544



38.5165, 40.1473, 15.8454

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.



13.5468, 19.9356, 8.5725



21.2148, 19.9356, 54.9544



21.2739, 19.9356, 5.6297

Square

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



21.2148, 19.9356, 54.9544



28.4562, 19.9356, 16.0384



16.8491, 19.9356, 5.6126



11.8361, 19.9356, 28.5737

Rectangle

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



21.2148, 19.9356, 54.9544



27.7691, 19.9356, 33.8620



16.8491, 19.9356, 5.6126



12.2263, 19.9356, 12.8758

Sweetspot

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



21.2156, 19.9363, 54.9549



72.9212, 75.7088, 105.3776



31.0863, 44.5286, 43.2908



15.0677, 15.6035, 22.4676



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.



21.2156, 19.9363, 54.9549



31.4328, 27.4632, 98.2520



20.8009, 15.2542, 54.0730



9.7519, 10.1950, 12.7387



7.3327, 4.4220, 34.0237



0.3769, 0.3113, 1.4901

Inverse Universe

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



30.0440, 20.7715, 20.5155



49.5871, 30.6946, 27.0929



39.0094, 49.1907, 17.5650



10.1861, 10.1230, 11.0703



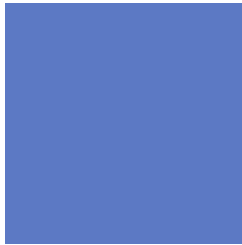
15.0972, 7.7286, 3.1579



0.6827, 0.3461, 0.2962

Previews

White Background



This preview shows how the XYZ color 21.2148, 19.9356, 54.9544 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 21.2148, 19.9356, 54.9544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

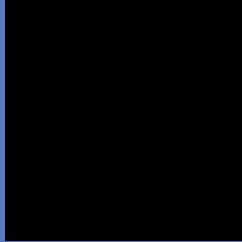
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2148, 19.9356, 54.9544

Background



This preview shows how black text looks on a background with the XYZ color 21.2148, 19.9356, 54.9544.

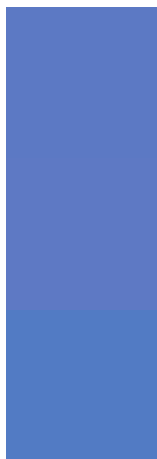


This preview shows how white text looks on a background with the XYZ color 21.2148, 19.9356,

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

21.2148, 19.9356, 54.9544

Protanopia

21.4173, 20.0400, 54.9638

Deuteranopia

20.5264, 19.9453, 54.9925



Tritanopia

16.0332, 19.9415, 28.9907

Trichromacy



Original Color

21.2148, 19.9356, 54.9544

Protanomaly

21.3154, 19.9874, 54.9591

Deuteranomaly

20.7611, 19.8830, 54.9681

Tritanomaly

17.6341, 19.7963, 37.0741

Monochromacy



Original Color

21.2148, 19.9356, 54.9544

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6131, 19.1279, 30.7280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2148, 19.9356, 54.9544 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(92, 121, 196)` looks like.

```
.text, #text, p{  
    color:rgb(92, 121, 196)  
}
```

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(92, 121, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 121, 196) }
```

Border

The CSS property to change the border of an element to XYZ 21.2148, 19.9356, 54.9544 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(92, 121, 196) }
```


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

```
.border{ border-color:rgb(92, 121, 196) }
```

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

Here you see how a box with a 4 pixel rgb(92, 121, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 121, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 121, 196);  
box-shadow:4px 4px 4px 4px rgb(92, 121,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2148, 19.9356, 54.9544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 121, 196) }
```

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

```
.background{ background-color: rgb(92, 121,  
196) }
```

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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