

Converting Colors

XYZ(19.4366, 21.3417, 41.9444)

Have a look what the booklet for
XYZ(19.4366, 21.3417, 41.9444)
contains.

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Color

**XYZ(19.5354, 21.4595,
42.1422)**

Conversions

Conversions Part 1

Format	Color
Hex	5684AC
RGB	86, 132, 172
RGB Percent	34%, 52%, 67%
CMY	0.6627, 0.4823, 0.3255
CMYK	0.50, 0.23, 0.00, 0.33
HSL	208°, 34%, 51%
HSV	208°, 50%, 67%
XYZ	19.5354, 21.4595, 42.1422
YIQ	122.8060, -40.2560, 2.6880

Conversions

Conversions Part 2

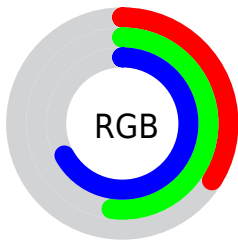
Format	Color
R_{YB}	86, 116, 172
Decimal	5670060
CIE _{Lab}	53.45, -4.27, -26.01
CIE _{LCh}	53, 26.362, 260.670
Y _{xy}	21.4595, 0.2350, 0.2581
Android (android.graphics.Color)	4283860140 (0xFF5684AC)
YUV	122.8060, 24.2526, -32.2789
Hunter-Lab	46.3244, -5.7927, -21.5102

Details

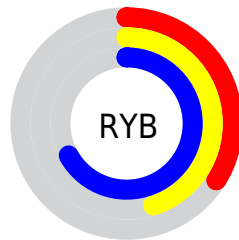
The XYZ color **19.5354, 21.4595, 42.1422** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.1545, 24.3651, 12.1294**, and the grayscale version is **18.6957, 19.6693, 21.4199**.

A 20% lighter version of the original color is **42.1678, 45.8748, 80.0310**, and **6.9901, 7.8038, 18.9072** is the 20% darker color. If you saturate the color by 10%, you get **17.0947, 18.6524, 41.7294**, and if you desaturate by 10%, it is **22.4418, 24.6310, 42.6016**.

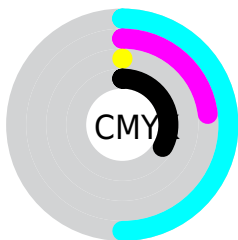
Distribution



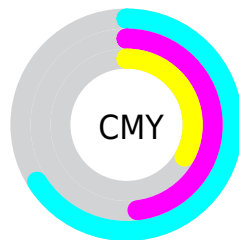
- Red (34%)
- Green (52%)
- Blue (67%)



- Red (34%)
- Yellow (45%)
- Blue (67%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (66%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5354, 21.4595, 42.1422 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 19.5354, 21.4595, 42.1422 by changing the saturation by 10% instead.

■ 19.5354, 21.4595,
42.1422

■ 19.5354, 21.4595,
42.1422

242.2705,
259.7105, 370.8891

■ 12.1641, 13.4603,
28.8863

■ 42.1468, 45.8510,
79.6872

■ 6.9285, 7.7463,
18.7500

■ 58.1175, 63.0121,
104.8133

■ 3.4634, 3.9330,
11.3148

■ 77.6855, 83.9960,
134.7333

■ 1.4033, 1.6362,
6.1621

■ 101.2160,
109.1870, 169.8656

■ 0.2586, 0.3818,
2.8735

129.0744,
138.9696, 210.6288

■ 0.0000, 0.0000,
1.0304

161.6260,

■ 0.0000, 0.0000,

173.7281, 257.4414

0.0000

199.2363,
213.8469, 310.7220

■ 19.5354, 21.4595,
42.1422

■ 19.5354, 21.4595,
42.1422

■ 17.0947, 18.6524,
41.7294

■ 22.4418, 24.6310,
42.6016

■ 15.0879, 16.1894,
41.3598

■ 25.8386, 28.1811,
43.1078

■ 13.4823, 14.0511,
41.0317

■ 29.7512, 32.1259,
43.6630

■ 12.2386, 12.2143,
40.7427

■ 34.2024, 36.4796,
44.2687

■ 11.2738, 10.6332,
40.4883

■ 39.2137, 41.2557,
44.9265

■ 11.2736, 10.6329,
40.4883

■ 44.8053, 46.4671,
45.6377

■ 50.9963, 52.1259,
46.4036

■ 57.8050, 58.2438,
47.2257

■ 65.2490, 64.8320,
48.1050

Harmonies

Analogous

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



17.1684, 21.4595, 37.4513



19.5354, 21.4595, 42.1422



22.3584, 21.4595, 40.9836

Triad

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



19.5354, 21.4595, 42.1422



25.8652, 21.4595, 18.3307



16.5059, 21.4595, 14.8860

Complementary

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



19.5354, 21.4595, 42.1422



26.1545, 24.3651, 12.1294

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.



18.5530, 21.4595, 11.6966



19.5354, 21.4595, 42.1422



24.0060, 21.4595, 13.3459

Square

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



19.5354, 21.4595, 42.1422



26.1894, 21.4595, 25.9581



21.2828, 21.4595, 11.2060



15.5279, 21.4595, 20.9520

Rectangle

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



19.5354, 21.4595, 42.1422



24.1138, 21.4595, 37.1345



21.2828, 21.4595, 11.2060



17.0825, 21.4595, 13.5063

Sweetspot

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



19.5361, 21.4603, 42.1427



57.6671, 61.9217, 79.7185



22.2735, 32.9570, 24.4900



12.1808, 13.1119, 17.2765



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.5361, 21.4603, 42.1427



30.5830, 33.3272, 75.6267



14.9664, 12.3209, 40.6195



7.9203, 8.4399, 10.1643



8.4447, 8.0234, 30.1481



0.2890, 0.3313, 0.8567

Inverse Universe

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



24.5065, 17.0930, 23.8382



41.0023, 25.7839, 36.8940



32.6408, 37.3377, 14.2915



8.1776, 8.0843, 9.2459



14.1262, 7.1130, 8.3098



0.4203, 0.2088, 0.3749

Previews

White Background



This preview shows how the XYZ color 19.5354, 21.4595, 42.1422 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 19.5354, 21.4595, 42.1422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

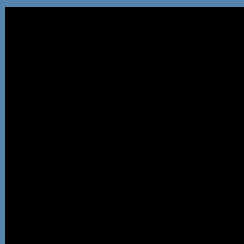
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

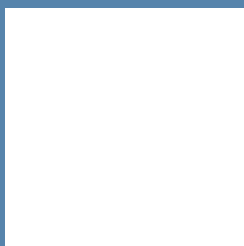
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5354, 21.4595, 42.1422

Background



This preview shows how black text looks on a background with the XYZ color 19.5354, 21.4595, 42.1422.

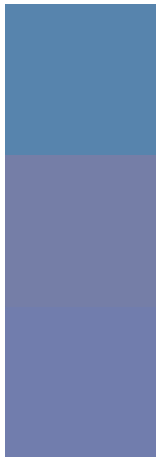


This preview shows how white text looks on a background with the XYZ color 19.5354, 21.4595,

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

19.5354, 21.4595, 42.1422

Protanopia

21.6384, 21.4247, 39.5541

Deuteranopia

21.6865, 21.1951, 42.4832



Tritanopia

17.2125, 21.3346, 30.8146

Trichromacy



Original Color

19.5354, 21.4595, 42.1422

Protanomaly

20.7063, 21.3062, 40.5573

Deuteranomaly

20.8555, 21.3390, 42.5548

Tritanomaly

18.0581, 21.4776, 34.6463

Monochromacy



Original Color

19.5354, 21.4595, 42.1422

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6990, 20.1598, 28.1050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5354, 21.4595, 42.1422 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(86, 132, 172)` looks like.

```
.text, #text, p{  
    color:rgb(86, 132, 172)  
}
```

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(86, 132, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 132, 172) }
```

Border

The CSS property to change the border of an element to XYZ 19.5354, 21.4595, 42.1422 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(86, 132, 172) }
```


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

```
.border{ border-color:rgb(86, 132, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 132, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 132, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 132, 172);  
box-shadow:4px 4px 4px 4px rgb(86, 132,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5354, 21.4595, 42.1422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 132, 172) }
```

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

```
.background{ background-color: rgb(86, 132,  
172) }
```

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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