

Converting Colors

XYZ(19.7179, 21.5688, 41.6289)

Have a look what the booklet for
XYZ(19.7179, 21.5688, 41.6289)
contains.

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Color

**XYZ(19.7218, 21.5666,
41.6514)**

Conversions

Conversions Part 1

Format	Color
Hex	5984AB
RGB	89, 132, 171
RGB Percent	35%, 52%, 67%
CMY	0.6510, 0.4823, 0.3294
CMYK	0.48, 0.23, 0.00, 0.33
HSL	209°, 33%, 51%
HSV	209°, 48%, 67%
XYZ	19.7218, 21.5666, 41.6514
YIQ	123.5890, -38.1470, 3.0130

Conversions

Conversions Part 2

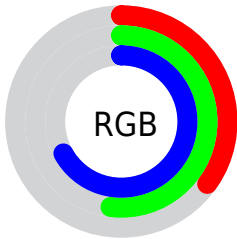
Format	Color
R_{YB}	89, 117, 171
Decimal	5866667
CIE _{Lab}	53.56, -3.84, -25.25
CIE _{LCh}	54, 25.536, 261.361
Yxy	21.5666, 0.2378, 0.2600
Android (android.graphics.Color)	4284056747 (0xFF5984AB)
YUV	123.5890, 23.3736, -30.3346
Hunter-Lab	46.4399, -5.4654, -20.6687

Details

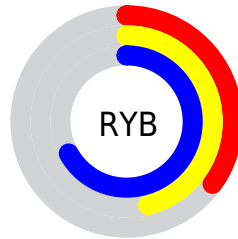
The XYZ color **19.7218, 21.5666, 41.6514** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.3177, 24.8186, 12.8555**, and the grayscale version is **18.9562, 19.9434, 21.7183**.

A 20% lighter version of the original color is **42.4041, 46.0286, 78.6010**, and **7.0502, 7.8418, 18.5948** is the 20% darker color. If you saturate the color by 10%, you get **17.2073, 18.6968, 41.2304**, and if you desaturate by 10%, it is **22.7049, 24.8065, 42.1199**.

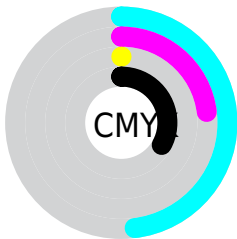
Distribution



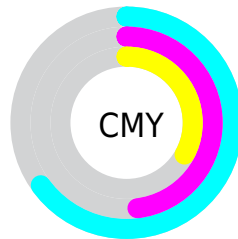
- Red (35%)
- Green (52%)
- Blue (67%)



- Red (35%)
- Yellow (46%)
- Blue (67%)



- Cyan (48%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (65%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7218, 21.5666, 41.6514 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 19.7218, 21.5666, 41.6514 by changing the saturation by 10% instead.

■ 19.7218, 21.5666,
41.6514

■ 19.7218, 21.5666,
41.6514

243.2674,
260.2745, 368.7928

■ 12.3001, 13.5388,
28.5049

■ 42.4578, 46.0286,
78.9361

■ 7.0220, 7.8006,
18.4643

■ 58.5027, 63.2316,
103.9115

■ 3.5223, 3.9676,
11.1109

■ 78.1528, 84.2618,
133.6668

■ 1.4356, 1.6555,
6.0264

■ 101.7734,
109.5036, 168.6207

■ 0.2814, 0.3946,
2.7921

129.7297,
139.3414, 209.1917

■ 0.0000, 0.0000,
0.9895

162.3873,

■ 0.0000, 0.0000,

174.1595, 255.7984

0.0000

200.1114,
214.3424, 308.8592

■ 19.7218, 21.5666,
41.6514

■ 19.7218, 21.5666,
41.6514

■ 17.2073, 18.6968,
41.2304

■ 22.7049, 24.8065,
42.1199

■ 15.1306, 16.1769,
40.8535

■ 26.1804, 28.4304,
42.6362

■ 13.4600, 13.9882,
40.5191

■ 30.1733, 32.4541,
43.2024

■ 12.1581, 12.1083,
40.2248

■ 34.7058, 36.8917,
43.8201

■ 11.1645, 10.5027,
39.9673

■ 39.7989, 41.7568,
44.4907

■ 10.9791, 10.1970,
39.9180

■ 45.4724, 47.0619,
45.2157

■ 51.7452, 52.8192,
45.9964

■ 58.6351, 59.0404,
46.8340

■ 66.1593, 65.7364,
47.7299

Harmonies

Analogous

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



17.3991, 21.5666, 37.2543



19.7218, 21.5666, 41.6514



22.4658, 21.5666, 40.4036

Triad

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



19.7218, 21.5666, 41.6514



25.7728, 21.5666, 18.4318



16.6737, 21.5666, 15.3069

Complementary

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



19.7218, 21.5666, 41.6514



26.3177, 24.8186, 12.8555

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.



18.6493, 21.5666, 12.1006



19.7218, 21.5666, 41.6514



23.9455, 21.5666, 13.6071

Square

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



19.7218, 21.5666, 41.6514



26.1243, 21.5666, 25.8080



21.2951, 21.5666, 11.5560



15.7444, 21.5666, 21.3008

Rectangle

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



19.7218, 21.5666, 41.6514



24.1576, 21.5666, 36.6346



21.2951, 21.5666, 11.5560



17.2288, 21.5666, 13.9280

Sweetspot

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



19.7225, 21.5674, 41.6519



56.9297, 60.9785, 77.7714



22.5317, 32.7895, 25.3123



12.3257, 13.2340, 17.2925



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.



19.7225, 21.5674, 41.6519



30.3808, 32.9702, 73.7645



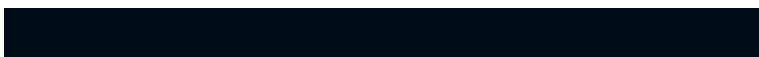
15.2755, 12.6733, 40.1696



7.9134, 8.4261, 10.1620



8.3296, 7.7931, 30.1097



0.2860, 0.3254, 0.8557

Inverse Universe

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



24.5325, 17.4695, 23.9094



40.4104, 25.9266, 36.4315



32.6502, 37.4835, 14.9664



8.1741, 8.0829, 9.2275



14.0681, 7.0898, 8.0038



0.4188, 0.2082, 0.3671

Previews

White Background



This preview shows how the XYZ color 19.7218, 21.5666, 41.6514 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 19.7218, 21.5666, 41.6514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

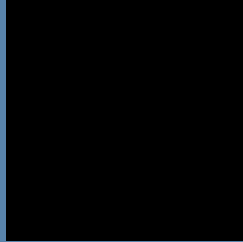
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

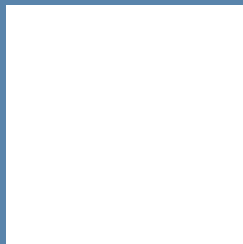
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7218, 21.5666, 41.6514

Background



This preview shows how black text looks on a background with the XYZ color 19.7218, 21.5666, 41.6514.

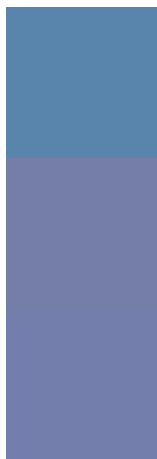


This preview shows how white text looks on a background with the XYZ color 19.7218, 21.5666,

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

19.7218, 21.5666, 41.6514

Protanopia

21.7720, 21.4936, 39.5604

Deuteranopia

21.9775, 21.5451, 42.0300



Tritanopia

17.5503, 21.5087, 30.8304

Trichromacy



Original Color

19.7218, 21.5666, 41.6514

Protanomaly

20.8505, 21.3913, 40.0758

Deuteranomaly

21.1094, 21.4811, 42.0634

Tritanomaly

18.4110, 21.6595, 34.6628

Monochromacy



Original Color

19.7218, 21.5666, 41.6514

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9526, 20.4813, 28.1537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7218, 21.5666, 41.6514 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(89, 132, 171)` looks like.

```
.text, #text, p{  
    color:rgb(89, 132, 171)  
}
```

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(89, 132, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 132, 171) }
```

Border

The CSS property to change the border of an element to XYZ 19.7218, 21.5666, 41.6514 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(89, 132, 171) }
```


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

```
.border{ border-color:rgb(89, 132, 171) }
```

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

Here you see how a box with a 4 pixel rgb(89, 132, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 132, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 132, 171);  
box-shadow:4px 4px 4px 4px rgb(89, 132,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7218, 21.5666, 41.6514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 132, 171) }
```

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

```
.background{ background-color: rgb(89, 132,  
171) }
```

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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