

Converting Colors

XYZ(19.5228, 21.5121, 31.3023)

Have a look what the booklet for
XYZ(19.5228, 21.5121, 31.3023)
contains.

XYZ(19.5250, 21.4965, 31.1371)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5250, 21.4965,
31.1371)**

Conversions

Conversions Part 1

Format	Color
Hex	6B8394
RGB	107, 131, 148
RGB Percent	42%, 51%, 58%
CMY	0.5804, 0.4863, 0.4196
CMYK	0.28, 0.11, 0.00, 0.42
HSL	205°, 16%, 50%
HSV	205°, 28%, 58%
XYZ	19.5250, 21.4965, 31.1371
YIQ	125.7620, -19.7610, 0.1990

Conversions

Conversions Part 2

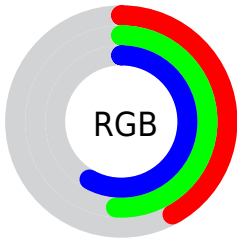
Format	Color
R_{YB}	107, 122, 148
Decimal	7046036
CIE _{Lab}	53.49, -4.50, -11.96
CIE _{LCh}	53, 12.776, 249.385
Yxy	21.4965, 0.2706, 0.2979
Android (android.graphics.Color)	4285236116 (0xFF6B8394)
YUV	125.7620, 10.9633, -16.4543
Hunter-Lab	46.3643, -5.9674, -7.3626

Details

The XYZ color **19.5250, 21.4965, 31.1371** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.0745, 21.7729, 16.9496**, and the grayscale version is **19.7197, 20.7467, 22.5931**.

A 20% lighter version of the original color is **42.0992, 45.9162, 62.5210**, and **6.9199, 7.7972, 12.4496** is the 20% darker color. If you saturate the color by 10%, you get **17.0959, 19.0573, 30.7947**, and if you desaturate by 10%, it is **22.3088, 24.1921, 31.5110**.

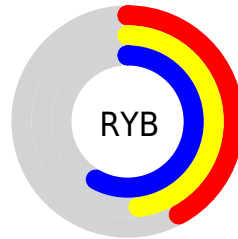
Distribution



Red (42%)

Green (51%)

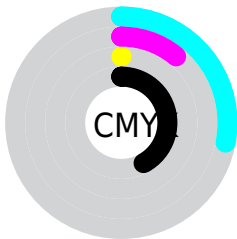
Blue (58%)



Red (42%)

Yellow (48%)

Blue (58%)

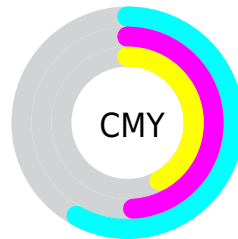


Cyan (28%)

Magenta (11%)

Yellow (0%)

Black (42%)



Cyan (58%)

Magenta (49%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5250, 21.4965, 31.1371 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 19.5250, 21.4965, 31.1371 by changing the saturation by 10% instead.

■ 19.5250, 21.4965,
31.1371

■ 19.5250, 21.4965,
31.1371

242.2148,
259.9055, 321.5402

■ 12.1565, 13.4874,
20.4439

■ 42.1294, 45.9124,
62.5380

■ 6.9233, 7.7650,
12.5309

■ 58.0960, 63.0880,
84.0827

■ 3.4601, 3.9450,
6.9794

■ 77.6594, 84.0879,
110.0818

■ 1.4015, 1.6428,
3.3710

■ 101.1848,
109.2964, 140.9537

■ 0.2573, 0.3862,
1.2870

129.0378,
139.0981, 177.1169

■ 0.0000, 0.0000,
0.0511

161.5835,

■ 0.0000, 0.0000,

173.8772, 218.9900

0.0000

199.1874,
214.0182, 266.9916

■ 19.5250, 21.4965,
31.1371

■ 19.5250, 21.4965,
31.1371

■ 17.0959, 19.0573,
30.7947

■ 22.3088, 24.1921,
31.5110

■ 15.0032, 16.8622,
30.4813

■ 25.4606, 27.1505,
31.9160

■ 13.2299, 14.9017,
30.1963

■ 28.9953, 30.3812,
32.3532

■ 11.7563, 13.1644,
29.9387

■ 32.9263, 33.8923,
32.8238

■ 10.5607, 11.6377,
29.7070

■ 37.2666, 37.6915,
33.3283

■ 9.6178, 10.3071,
29.4999

■ 42.0283, 41.7861,
33.8677

■ 8.8817, 9.1476,
29.3149

■ 47.2231, 46.1834,
34.4427

■ 8.7244, 8.8962,
29.2746

■ 52.8622, 50.8901,
35.0539

■ 58.9564, 55.9129,
35.7022

Harmonies

Analogous

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



18.4769, 21.4965, 28.4860



19.5250, 21.4965, 31.1371



20.8611, 21.4965, 31.5981

Triad

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



19.5250, 21.4965, 31.1371



23.1214, 21.4965, 22.2061



18.8173, 21.4965, 18.0826

Complementary

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



19.5250, 21.4965, 31.1371



22.0745, 21.7729, 16.9496

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.



20.0084, 21.4965, 16.7685



19.5250, 21.4965, 31.1371



22.5199, 21.4965, 18.9691

Square

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



19.5250, 21.4965, 31.1371



22.9779, 21.4965, 26.1426



21.3662, 21.4965, 17.0739



18.0811, 21.4965, 20.8674

Rectangle

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



19.5250, 21.4965, 31.1371



21.7417, 21.4965, 30.5554



21.3662, 21.4965, 17.0739



19.1756, 21.4965, 17.4691

Sweetspot

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



19.5257, 21.4974, 31.1376



44.6541, 47.6557, 56.2795



20.2540, 25.7461, 22.7730



10.0072, 10.7057, 12.8238



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.5257, 21.4974, 31.1376



31.8245, 35.3128, 54.5733



17.1046, 16.6552, 30.3306



5.7646, 6.1631, 7.3555



7.4792, 7.6532, 25.0141



0.1207, 0.1520, 0.3159

Inverse Universe

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



21.5677, 18.4506, 23.8982



36.0850, 29.3027, 39.3912



24.8251, 27.2741, 17.8665



5.9346, 5.8689, 6.7618



11.9022, 5.9660, 8.2322



0.1604, 0.0789, 0.1782

Previews

White Background



This preview shows how the XYZ color 19.5250, 21.4965, 31.1371 looks on a white background.

Color Contrast Check

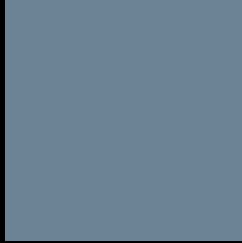
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5250, 21.4965, 31.1371 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

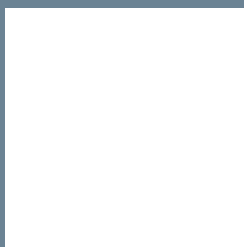
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5250, 21.4965, 31.1371

Background



This preview shows how black text looks on a background with the XYZ color 19.5250, 21.4965, 31.1371.



This preview shows how white text looks on a background with the XYZ color 19.5250, 21.4965,

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

19.5250, 21.4965, 31.1371

Protanopia

21.0124, 21.5082, 29.8321

Deuteranopia

21.6857, 21.2524, 31.3929



Tritanopia

19.0776, 21.5197, 28.7394

Trichromacy



Original Color

19.5250, 21.4965, 31.1371

Protanomaly

20.3787, 21.3652, 30.2440

Deuteranomaly

20.8993, 21.4136, 31.4655

Tritanomaly

19.2292, 21.5803, 29.5375

Monochromacy



Original Color

19.5250, 21.4965, 31.1371

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6300, 21.0815, 25.5888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5250, 21.4965, 31.1371 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(107, 131, 148)` looks like.

```
.text, #text, p{  
    color:rgb(107, 131, 148)  
}
```

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(107, 131, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 131, 148) }
```

Border

The CSS property to change the border of an element to XYZ 19.5250, 21.4965, 31.1371 is called "border". The border property can be set on classes, ids or directly on the HTML element.

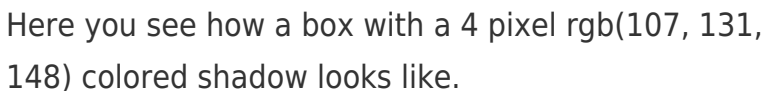
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 131, 148) }
```


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

```
.border{ border-color:rgb(107, 131, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 131, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 131, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 131, 148); box-shadow:4px 4px 4px 4px rgb(107, 131, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5250, 21.4965, 31.1371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 131, 148) }
```

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

```
.background{ background-color: rgb(107,  
131, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor