

Converting Colors

XYZ(21.3725, 16.5982, 56.7145)

Have a look what the booklet for
XYZ(21.3725, 16.5982, 56.7145)
contains.

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Color

**XYZ(21.4129, 16.5995,
56.7190)**

Conversions

Conversions Part 1

Format	Color
Hex	6E64C8
RGB	110, 100, 200
RGB Percent	43%, 39%, 78%
CMY	0.5686, 0.6078, 0.2157
CMYK	0.45, 0.50, 0.00, 0.22
HSL	246°, 48%, 59%
HSV	246°, 50%, 78%
XYZ	21.4129, 16.5995, 56.7190
YIQ	114.3900, -26.1400, 33.2200

Conversions

Conversions Part 2

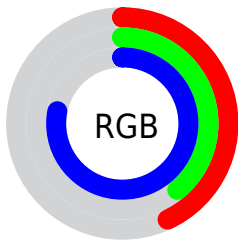
Format	Color
R _Y B	110, 100, 200
Decimal	7234760
CIE _{Lab}	47.75, 29.45, -51.01
CIE _{LCh}	48, 58.898, 300.000
Y _{xy}	16.5995, 0.2260, 0.1752
Android (android.graphics.Color)	4285424840 (0xFF6E64C8)
Y _{UV}	114.3900, 42.2057, -3.8500
Hunter-Lab	40.7425, 22.5143, -54.0199

Details

The XYZ color **21.4129, 16.5995, 56.7190** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **44.1895, 53.1759, 19.9920**, and the grayscale version is **15.9947, 16.8276, 18.3253**.

A 20% lighter version of the original color is **44.8425, 37.4602, 99.4748**, and **7.8521, 5.3474, 27.4064** is the 20% darker color. If you saturate the color by 10%, you get **17.7082, 12.1832, 56.0622**, and if you desaturate by 10%, it is **26.0447, 22.1930, 57.5549**.

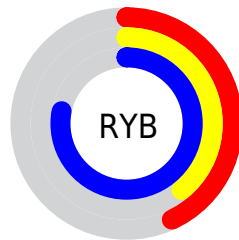
Distribution



Red (43%)

Green (39%)

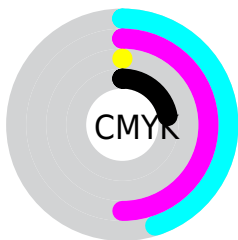
Blue (78%)



Red (43%)

Yellow (39%)

Blue (78%)

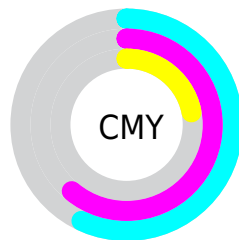


Cyan (45%)

Magenta (50%)

Yellow (0%)

Black (22%)



Cyan (57%)

Magenta (61%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4129, 16.5995, 56.7190 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 21.4129, 16.5995, 56.7190 by changing the saturation by 10% instead.

■ 21.4129, 16.5995,
56.7190

■ 21.4129, 16.5995,
56.7190

252.1552,
232.8537, 429.8597

■ 13.5403, 9.9494,
40.3718

■ 45.2598, 37.6359,
101.5513

■ 7.8812, 5.3654,
27.5126

■ 61.9649, 52.7909,
130.8735

■ 4.0702, 2.4632,
17.7227

■ 82.3448, 71.5497,
165.3578

■ 1.7419, 0.8581,
10.5837

■ 106.7650, 94.2966,
205.4228

■ 0.4823, 0.0000,
5.6770

135.5908,
121.4161, 251.4869

■ 0.0000, 0.0000,
2.5841

169.1875,

■ 0.0000, 0.0000,

153.2925, 303.9688

0.8842

207.9205,
190.3103, 363.2868

■ 0.0000, 0.0000,
0.0000

■ 21.4129, 16.5995,
56.7190

■ 21.4129, 16.5995,
56.7190

■ 17.7082, 12.1832,
56.0622

■ 26.0447, 22.1930,
57.5549

■ 14.8657, 8.8581,
55.5702

■ 31.6583, 29.0381,
58.5802

■ 12.8154, 6.5287,
55.2286

■ 38.3069, 37.2052,
59.8062

■ 11.4751, 5.0827,
55.0202

■ 46.0390, 46.7588,
61.2427

■ 10.7140, 4.3190,
54.9129

■ 54.9000, 57.7592,
62.8990

■ 10.7140, 4.3189,
54.9128

■ 64.9330, 70.2633,
64.7837

■ 76.1785, 84.3246,
66.9051

■ 87.0587, 96.7611,
68.7322

■ 87.4254, 96.9502,
68.7493

Harmonies

Analogous

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



15.7773, 16.5995, 65.4784



21.4129, 16.5995, 56.7190



26.2950, 16.5995, 36.8412

Triad

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



21.4129, 16.5995, 56.7190



21.4129, 16.5995, 2.7824



7.6514, 16.5995, 18.0740

Complementary

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



21.4129, 16.5995, 56.7190



44.1895, 53.1759, 19.9920

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.



8.5214, 16.5995, 7.0913



21.4129, 16.5995, 56.7190



15.7773, 16.5995, 1.8073

Square

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



21.4129, 16.5995, 56.7190



26.2950, 16.5995, 7.0913



11.2290, 16.5995, 2.7824



8.5214, 16.5995, 36.8412

Rectangle

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



21.4129, 16.5995, 56.7190



28.0256, 16.5995, 23.6033



11.2290, 16.5995, 2.7824



7.7469, 16.5995, 13.4836

Sweetspot

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



21.4136, 16.6001, 56.7194



72.4883, 72.0226, 104.6889



34.0947, 43.7068, 61.2832



14.9141, 14.6733, 22.2961



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.



21.4136, 16.6001, 56.7194



30.1783, 20.5257, 96.9790



29.4801, 20.7585, 57.0969



10.1535, 10.3374, 13.3777



6.8481, 2.7646, 34.9170



0.3586, 0.1486, 1.6549

Inverse Universe

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



37.6710, 25.1117, 51.5758



61.6745, 37.0360, 86.1000



33.7702, 47.8045, 19.5043



11.0356, 10.7976, 13.1708



20.4020, 9.9104, 28.3905



0.9796, 0.4747, 1.4157

Previews

White Background



This preview shows how the XYZ color 21.4129, 16.5995, 56.7190 looks on a white background.

Color Contrast Check

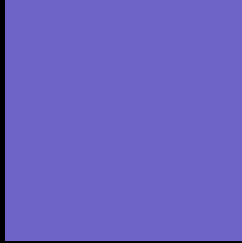
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.4129, 16.5995, 56.7190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

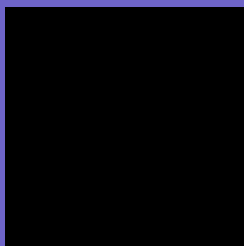
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4129, 16.5995, 56.7190

Background



This preview shows how black text looks on a background with the XYZ color 21.4129, 16.5995, 56.7190.



This preview shows how white text looks on a background with the XYZ color 21.4129, 16.5995,

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

21.4129, 16.5995, 56.7190

Protanopia

19.1333, 16.7971, 63.2065

Deuteranopia

17.3355, 16.8735, 55.1666



Tritanopia

14.6236, 16.7133, 22.5339

Trichromacy



Original Color

21.4129, 16.5995, 56.7190

Protanomaly

19.5191, 16.4266, 60.5344

Deuteranomaly

18.2232, 16.4943, 55.6493

Tritanomaly

16.5542, 16.2986, 32.8453

Monochromacy



Original Color

21.4129, 16.5995, 56.7190

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.3895, 16.4923, 29.0549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4129, 16.5995, 56.7190 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(110, 100, 200)` looks like.

```
.text, #text, p{  
    color:rgb(110, 100, 200)  
}
```

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(110, 100, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 100, 200) }
```

Border

The CSS property to change the border of an element to XYZ 21.4129, 16.5995, 56.7190 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(110, 100, 200) }
```


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

```
.border{ border-color:rgb(110, 100, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 100, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 100, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 100, 200);  
box-shadow:4px 4px 4px 4px rgb(110, 100,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4129, 16.5995, 56.7190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 100, 200) }
```

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

```
.background{ background-color: rgb(110,  
100, 200) }
```

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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