

Converting Colors

XYZ(21.6475, 17.5510, 57.0948)

Have a look what the booklet for
XYZ(21.6475, 17.5510, 57.0948)
contains.

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Color

**XYZ(21.6428, 17.6040,
56.9008)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6AC8
RGB	107, 106, 200
RGB Percent	42%, 42%, 78%
CMY	0.5804, 0.5843, 0.2157
CMYK	0.46, 0.47, 0.00, 0.22
HSL	241°, 46%, 60%
HSV	241°, 47%, 78%
XYZ	21.6428, 17.6040, 56.9008
YIQ	117.0150, -29.5780, 29.4460

Conversions

Conversions Part 2

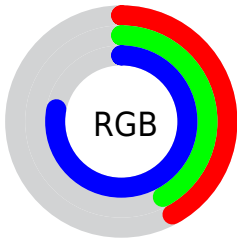
Format	Color
R_{YB}	107, 106, 200
Decimal	7039688
CIE _{Lab}	49.01, 25.10, -49.01
CIE _{LCh}	49, 55.059, 297.121
Yxy	17.6040, 0.2251, 0.1831
Android (android.graphics.Color)	4285229768 (0xFF6B6AC8)
YUV	117.0150, 40.9116, -8.7832
Hunter-Lab	41.9571, 18.6509, -51.0371

Details

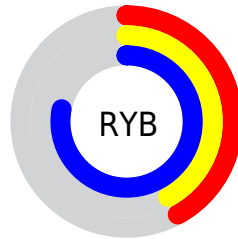
The XYZ color **21.6428, 17.6040, 56.9008** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **46.8085, 54.4912, 21.6868**, and the grayscale version is **16.7977, 17.6725, 19.2454**.

A 20% lighter version of the original color is **45.2112, 39.1205, 99.7759**, and **7.9902, 5.8504, 27.4962** is the 20% darker color. If you saturate the color by 10%, you get **17.7042, 12.8627, 56.1936**, and if you desaturate by 10%, it is **26.6078, 23.5883, 57.7946**.

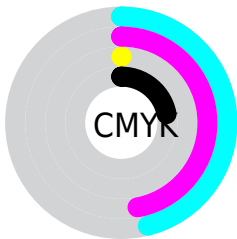
Distribution



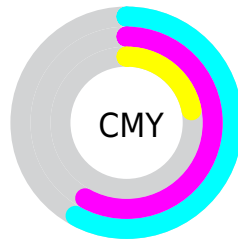
- Red (42%)
- Green (42%)
- Blue (78%)



- Red (42%)
- Yellow (42%)
- Blue (78%)



- Cyan (46%)
- Magenta (47%)
- Yellow (0%)
- Black (22%)



- Cyan (58%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6428, 17.6040, 56.9008 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 21.6428, 17.6040, 56.9008 by changing the saturation by 10% instead.

■ 21.6428, 17.6040,
56.9008

■ 21.6428, 17.6040,
56.9008

253.3427,
238.6294, 430.5608

■ 13.7098, 10.6661,
40.5168

■ 45.6382, 39.3614,
101.8193

■ 7.9995, 5.8428,
27.6248

■ 62.4313, 54.9496,
131.1909

■ 4.1464, 2.7497,
17.8065

■ 82.9084, 74.1901,
165.7287

■ 1.7853, 1.0025,
10.6431

■ 107.4350, 97.4671,
205.8514

■ 0.5088, 0.0000,
5.7163

136.3764,
125.1652, 251.9774

■ 0.0000, 0.0000,
2.6074

170.0979,

■ 0.0000, 0.0000,

157.6687, 304.5253

0.8962

208.9649,
195.3620, 363.9135

■ 0.0000, 0.0000,
0.0000

■ 21.6428, 17.6040,
56.9008

■ 21.6428, 17.6040,
56.9008

■ 17.7042, 12.8627,
56.1936

■ 26.6078, 23.5883,
57.7946

■ 14.7181, 9.2753,
55.6585

■ 32.6616, 30.8925,
58.8853

■ 12.6047, 6.7440,
55.2813

■ 39.8643, 39.5896,
60.1844

■ 11.2698, 5.1539,
55.0448

■ 48.2711, 49.7467,
61.7019

■ 10.5916, 4.3525,
54.9258

■ 57.9334, 61.4265,
63.4470

■ 10.4521, 4.1839,
54.9006

■ 68.8999, 74.6881,
65.4288

■ 81.2164, 89.5873,
67.6555

■ 87.4254, 96.9502,
68.7494

Harmonies

Analogous

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



16.2415, 17.6040, 63.4804



21.6428, 17.6040, 56.9008



26.4567, 17.6040, 38.9541

Triad

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



21.6428, 17.6040, 56.9008



22.6776, 17.6040, 3.8864



8.6884, 17.6040, 17.7835

Complementary

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



21.6428, 17.6040, 56.9008



46.8085, 54.4912, 21.6868

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.



9.7409, 17.6040, 7.5594



21.6428, 17.6040, 56.9008



17.2324, 17.6040, 2.5339

Square

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



21.6428, 17.6040, 56.9008



27.1349, 17.6040, 8.9596



12.6267, 17.6040, 3.4170



9.3995, 17.6040, 35.1424

Rectangle

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



21.6428, 17.6040, 56.9008



28.3057, 17.6040, 26.1783



12.6267, 17.6040, 3.4170



8.8416, 17.6040, 13.5359

Sweetspot

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



21.6435, 17.6046, 56.9012



72.8786, 73.2056, 104.8967



37.0238, 48.5432, 62.0624



14.9500, 14.8850, 22.3351



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.



21.6435, 17.6046, 56.9012



30.7698, 22.4114, 97.3118



28.7166, 21.2509, 57.2323



10.0670, 10.2928, 13.3736



6.6506, 2.6628, 34.9078



0.3186, 0.1280, 1.6531

Inverse Universe

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



39.2823, 26.7112, 57.1167



64.8618, 40.0148, 97.6317



36.3931, 49.1219, 21.1994



11.0781, 10.8146, 13.3943



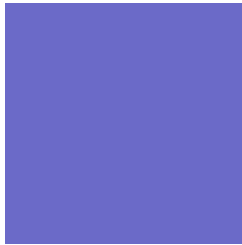
21.6188, 10.3971, 34.7979



1.0253, 0.4929, 1.6562

Previews

White Background



This preview shows how the XYZ color 21.6428, 17.6040, 56.9008 looks on a white background.

Color Contrast Check

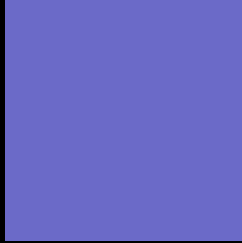
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6428, 17.6040, 56.9008 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 21.6428, 17.6040, 56.9008

Background



This preview shows how black text looks on a background with the XYZ color 21.6428, 17.6040, 56.9008.



This preview shows how white text looks on a background with the XYZ color 21.6428, 17.6040,

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

21.6428, 17.6040, 56.9008

Protanopia

19.8401, 17.6930, 61.4009

Deuteranopia

18.1843, 17.6533, 55.2723



Tritanopia

15.1489, 17.6597, 24.4400

Trichromacy



Original Color

21.6428, 17.6040, 56.9008

Protanomaly

20.2213, 17.4428, 59.4278

Deuteranomaly

19.0787, 17.4240, 55.7837

Tritanomaly

17.0505, 17.3580, 34.3501

Monochromacy



Original Color

21.6428, 17.6040, 56.9008

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.9816, 17.4275, 30.0199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6428, 17.6040, 56.9008 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, 106, 200)` looks like.

```
.text, #text, p{  
    color:rgb(107, 106, 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(107, 106, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 106, 200) }
```

Border

The CSS property to change the border of an element to XYZ 21.6428, 17.6040, 56.9008 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, 106, 200) }
```


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

```
.border{ border-color:rgb(107, 106, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 106, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 106, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 106, 200);  
box-shadow:4px 4px 4px 4px rgb(107, 106,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6428, 17.6040, 56.9008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 106, 200) }
```

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

```
.background{ background-color: rgb(107,  
106, 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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