

Converting Colors

XYZ(22.9335, 17.4315, 60.0198)

Have a look what the booklet for
XYZ(22.9335, 17.4315, 60.0198)
contains.

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Color

**XYZ(22.8756, 17.4281,
59.9159)**

Conversions

Conversions Part 1

Format	Color
Hex	7465CD
RGB	116, 101, 205
RGB Percent	45%, 40%, 80%
CMY	0.5451, 0.6039, 0.1961
CMYK	0.43, 0.51, 0.00, 0.20
HSL	249°, 51%, 60%
HSV	249°, 51%, 80%
XYZ	22.8756, 17.4281, 59.9159
YIQ	117.3410, -24.4440, 35.5240

Conversions

Conversions Part 2

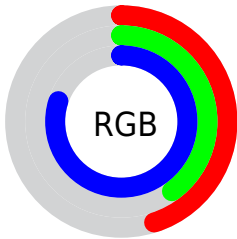
Format	Color
R _Y B	116, 101, 205
Decimal	7628237
CIE Lab	48.79, 31.73, -52.18
CIE LCh	49, 61.065, 301.302
Yxy	17.4281, 0.2283, 0.1739
Android (android.graphics.Color)	4285818317 (0xFF7465CD)
YUV	117.3410, 43.2159, -1.1761
Hunter-Lab	41.7470, 24.7533, -55.8710

Details

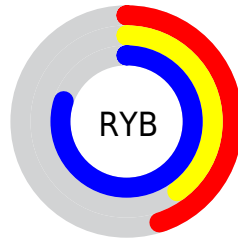
The XYZ color **22.8756, 17.4281, 59.9159** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.4151, 55.5494, 20.6407**, and the grayscale version is **16.8904, 17.7700, 19.3515**.

A 20% lighter version of the original color is **46.2915, 38.4471, 99.5890**, and **8.6278, 5.7701, 29.5132** is the 20% darker color. If you saturate the color by 10%, you get **19.0120, 12.8412, 59.2345**, and if you desaturate by 10%, it is **27.6774, 23.2359, 60.7842**.

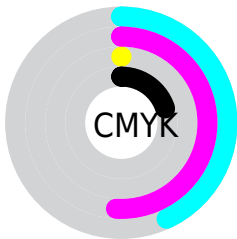
Distribution



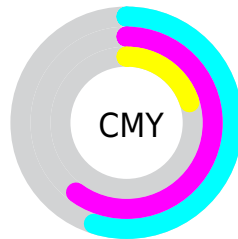
- Red (45%)
- Green (40%)
- Blue (80%)



- Red (45%)
- Yellow (40%)
- Blue (80%)



- Cyan (43%)
- Magenta (51%)
- Yellow (0%)
- Black (20%)



- Cyan (55%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8756, 17.4281, 59.9159 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 22.8756, 17.4281, 59.9159 by changing the saturation by 10% instead.

■ 22.8756, 17.4281,
59.9159

■ 22.8756, 17.4281,
59.9159

259.6327,
237.6275, 442.0837

■ 14.6219, 10.5402,
42.9260

■ 47.6571, 39.0604,
106.2498

■ 8.6390, 5.7586,
29.4961

■ 64.9157, 54.5735,
136.4310

■ 4.5617, 2.6988,
19.2076

■ 85.9065, 73.7305,
171.8462

■ 2.0246, 0.9766,
11.6421

■ 110.9950, 96.9158,
212.9142

■ 0.6477, 0.0000,
6.3809

140.5465,
124.5138, 260.0534

■ 0.0000, 0.0000,
3.0055

174.9264,

■ 0.0000, 0.0000,

156.9087, 313.6823

1.0975

214.5000,
194.4852, 374.2196

■ 0.0000, 0.0000,
0.0000

■ 22.8756, 17.4281,
59.9159

■ 22.8756, 17.4281,
59.9159

■ 19.0120, 12.8412,
59.2345

■ 27.6774, 23.2359,
60.7842

■ 16.0218, 9.3854,
58.7251

■ 33.4719, 30.3421,
61.8504

■ 13.8356, 6.9612,
58.3724

■ 40.3118, 38.8199,
63.1263

■ 12.3716, 5.4506,
58.1580

■ 48.2456, 48.7364,
64.6222

■ 11.5426, 4.6775,
58.0525

■ 57.3186, 60.1544,
66.3479

■ 67.5737, 73.1330,
68.3125

■ 79.0515, 87.7279,
70.5247

■ 88.0195, 97.1878,
71.8780

Harmonies

Analogous

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



16.8130, 17.4281, 70.1835



22.8756, 17.4281, 59.9159



28.0404, 17.4281, 38.1840

Triad

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



22.8756, 17.4281, 59.9159



22.3494, 17.4281, 2.6764



7.9037, 17.4281, 19.6922

Complementary

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



22.8756, 17.4281, 59.9159



45.4151, 55.5494, 20.6407

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.



8.7451, 17.4281, 7.6126



22.8756, 17.4281, 59.9159



16.3192, 17.4281, 1.7702

Square

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



22.8756, 17.4281, 59.9159



27.6912, 17.4281, 6.9657



11.5367, 17.4281, 2.8726



8.9074, 17.4281, 40.1696

Rectangle

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



22.8756, 17.4281, 59.9159



29.7940, 17.4281, 24.0817



11.5367, 17.4281, 2.8726



7.9785, 17.4281, 14.6487

Sweetspot

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



22.8763, 17.4287, 59.9163



73.0048, 72.2889, 104.7131



35.0465, 44.4947, 64.4992



15.0367, 14.7365, 22.3019



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.



22.8763, 17.4287, 59.9163



30.5650, 20.3587, 96.9264



31.5817, 21.9165, 60.3237



10.7498, 10.9203, 14.1116



7.2346, 2.9371, 36.1419



0.4230, 0.1772, 1.8668

Inverse Universe

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



39.1248, 26.0044, 51.6710



60.3898, 36.1273, 80.5521



34.8504, 50.1031, 20.1463



11.6153, 11.3748, 13.7745



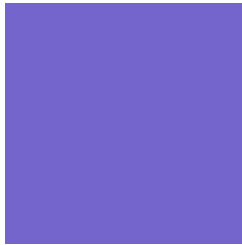
20.5439, 10.0281, 26.3806



1.0794, 0.5251, 1.4637

Previews

White Background



This preview shows how the XYZ color 22.8756, 17.4281, 59.9159 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 22.8756, 17.4281, 59.9159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

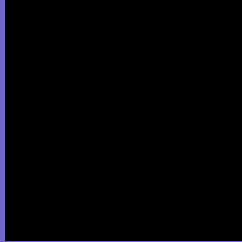
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.8756, 17.4281, 59.9159

Background



This preview shows how black text looks on a background with the XYZ color 22.8756, 17.4281, 59.9159.



This preview shows how white text looks on a background with the XYZ color 22.8756, 17.4281,

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

22.8756, 17.4281, 59.9159

Protanopia

20.1133, 17.5383, 67.2909

Deuteranopia

18.0306, 17.5205, 57.6898



Tritanopia

15.4890, 17.3200, 23.2956

Trichromacy



Original Color

22.8756, 17.4281, 59.9159

Protanomaly

20.6396, 17.2279, 64.5249

Deuteranomaly

18.9436, 16.9727, 58.1547

Tritanomaly

17.5889, 16.9657, 34.2460

Monochromacy



Original Color

22.8756, 17.4281, 59.9159

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.4454, 17.3207, 30.8048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8756, 17.4281, 59.9159 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(116, 101, 205)` looks like.

```
.text, #text, p{  
    color:rgb(116, 101, 205)  
}
```

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(116, 101, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 101, 205) }
```

Border

The CSS property to change the border of an element to XYZ 22.8756, 17.4281, 59.9159 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(116, 101, 205) }
```


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

```
.border{ border-color:rgb(116, 101, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 101, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 101, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 101, 205);  
box-shadow:4px 4px 4px 4px rgb(116, 101,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8756, 17.4281, 59.9159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 101, 205) }
```

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

```
.background{ background-color: rgb(116,  
101, 205) }
```

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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