

Converting Colors

XYZ(22.4933, 15.6096, 76.3232)

Have a look what the booklet for
XYZ(22.4933, 15.6096, 76.3232)
contains.

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Color

**XYZ(22.6243, 15.6946,
76.6998)**

Conversions

Conversions Part 1

Format	Color
Hex	5D5CE6
RGB	93, 92, 230
RGB Percent	36%, 36%, 90%
CMY	0.6353, 0.6392, 0.0980
CMYK	0.60, 0.60, 0.00, 0.10
HSL	240°, 73%, 63%
HSV	240°, 60%, 90%
XYZ	22.6243, 15.6946, 76.6998
YIQ	108.0310, -43.7020, 43.1300

Conversions

Conversions Part 2

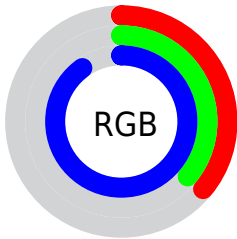
Format	Color
R _Y B	93, 92, 230
Decimal	6118630
CIE Lab	46.57, 40.17, -70.07
CIE LCh	47, 80.769, 299.823
Yxy	15.6946, 0.1967, 0.1365
Android (android.graphics.Color)	4284308710 (0xFF5D5CE6)
YUV	108.0310, 60.1307, -13.1822
Hunter-Lab	39.6164, 32.6098, -87.0576

Details

The XYZ color **22.6243, 15.6946, 76.6998** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **62.5395, 74.0234, 21.1170**, and the grayscale version is **14.1090, 14.8437, 16.1648**.

A 20% lighter version of the original color is **41.3900, 33.8335, 98.9568**, and **8.5198, 4.9711, 40.0456** is the 20% darker color. If you saturate the color by 10%, you get **18.9496, 11.2781, 76.0414**, and if you desaturate by 10%, it is **27.5949, 21.6767, 77.5929**.

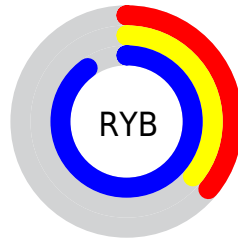
Distribution



Red (36%)

Green (36%)

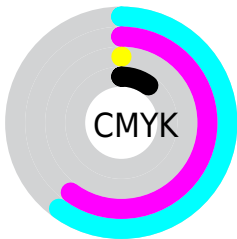
Blue (90%)



Red (36%)

Yellow (36%)

Blue (90%)

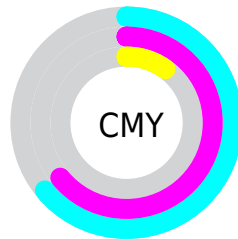


Cyan (60%)

Magenta (60%)

Yellow (0%)

Black (10%)



Cyan (64%)

Magenta (64%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6243, 15.6946, 76.6998 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 22.6243, 15.6946, 76.6998 by changing the saturation by 10% instead.

■ 22.6243, 15.6946,
76.6998

■ 22.6243, 15.6946,
76.6998

258.3609,
227.5328, 503.1503

■ 14.4355, 9.3083,
56.4964

■ 47.2469, 36.0672,
130.4848

■ 8.5079, 4.9428,
40.1944

■ 64.4114, 50.8223,
164.9035

■ 4.4761, 2.2138,
27.3752

■ 85.2985, 69.1358,
204.8977

■ 1.9749, 0.7275,
17.6203

■ 110.2737, 91.3920,
250.8859

■ 0.6198, 0.0000,
10.5111

139.7021,
117.9755, 303.2868

■ 0.0000, 0.0000,
5.6291

173.9492,

■ 0.0000, 0.0000,

149.2705, 362.5188

2.5558

213.3804,
185.6615, 429.0004

■ 0.0000, 0.0000,
0.8695

■ 0.0000, 0.0000,
0.0000

■ 22.6243, 15.6946,
76.6998

■ 22.6243, 15.6946,
76.6998

■ 18.9496, 11.2781,
76.0414

■ 27.5949, 21.6767,
77.5929

■ 16.4482, 8.2797,
75.5945

■ 33.9642, 29.3509,
78.7384

■ 14.9783, 6.5265,
75.3336

■ 41.8276, 38.8325,
80.1541

■ 14.3040, 5.7240,
75.2142

■ 51.2713, 50.2261,
81.8556

■ 62.3750, 63.6285,
83.8573

■ 75.2131, 79.1300,
86.1727

■ 89.8553, 96.8151,
88.8146

■ 91.2830, 98.4932,
89.0632

Harmonies

Analogous

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



14.8759, 15.6946, 91.3782



22.6243, 15.6946, 76.6998



29.7612, 15.6946, 44.5545

Triad

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



22.6243, 15.6946, 76.6998



22.7191, 15.6946, 0.7321



5.1282, 15.6946, 16.9704

Complementary

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



22.6243, 15.6946, 76.6998



62.5395, 74.0234, 21.1170

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.



6.0721, 15.6946, 4.1452



22.6243, 15.6946, 76.6998



14.9587, 15.6946, 0.0000

Square

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



22.6243, 15.6946, 76.6998



29.8269, 15.6946, 4.2256



9.1955, 15.6946, 0.7147



6.0494, 15.6946, 44.1665

Rectangle

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



22.6243, 15.6946, 76.6998



32.3787, 15.6946, 24.8072



9.1955, 15.6946, 0.7147



5.2323, 15.6946, 11.1646

Sweetspot

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



22.6251, 15.6950, 76.7002



67.2928, 66.4889, 103.8947



46.9936, 64.5824, 84.8521



13.5855, 13.2442, 22.0903



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.



22.6251, 15.6950, 76.7002



23.0568, 13.1839, 95.9373



32.8081, 20.9446, 77.1768



13.5926, 13.8922, 18.1094



8.1025, 3.2429, 42.5821



0.6022, 0.2414, 3.1468

Inverse Universe

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



50.6023, 30.1341, 77.2729



61.3536, 32.9515, 96.6067



44.9267, 64.9437, 20.2927



14.9904, 14.6133, 18.1497



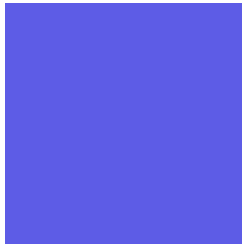
26.4305, 12.7064, 42.7573



1.9546, 0.9396, 3.1674

Previews

White Background



This preview shows how the XYZ color 22.6243, 15.6946, 76.6998 looks on a white background.

Color Contrast Check

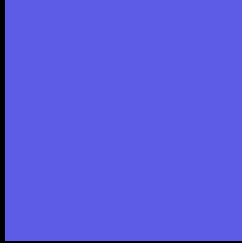
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6243, 15.6946, 76.6998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

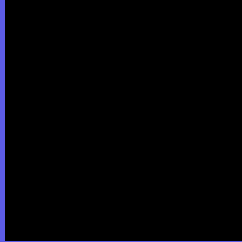
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.6243, 15.6946, 76.6998

Background



This preview shows how black text looks on a background with the XYZ color 22.6243, 15.6946, 76.6998.



This preview shows how white text looks on a background with the XYZ color 22.6243, 15.6946,

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

22.6243, 15.6946, 76.6998

Protanopia

18.7446, 15.7443, 73.2852

Deuteranopia

15.6427, 15.7053, 53.2459



Tritanopia

11.9647, 15.6730, 23.5137

Trichromacy



Original Color

22.6243, 15.6946, 76.6998

Protanomaly

19.1785, 15.1935, 74.5949

Deuteranomaly

16.9737, 14.9482, 61.0222

Tritanomaly

14.5732, 14.9950, 38.2026

Monochromacy



Original Color

22.6243, 15.6946, 76.6998

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.0124, 14.6533, 31.6902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6243, 15.6946, 76.6998 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(93, 92, 230)` looks like.

```
.text, #text, p{  
    color:rgb(93, 92, 230)  
}
```

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(93, 92, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 92, 230) }
```

Border

The CSS property to change the border of an element to XYZ 22.6243, 15.6946, 76.6998 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(93, 92, 230) }
```


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

```
.border{ border-color:rgb(93, 92, 230) }
```

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

Here you see how a box with a 4 pixel rgb(93, 92, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 92, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 92, 230);  
box-shadow:4px 4px 4px 4px rgb(93, 92,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6243, 15.6946, 76.6998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 92, 230) }
```

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

```
.background{ background-color: rgb(93, 92,  
230) }
```

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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