

Converting Colors

XYZ(24.7415, 18.9326, 65.5065)

Have a look what the booklet for
XYZ(24.7415, 18.9326, 65.5065)
contains.

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Color

**XYZ(24.6696, 18.8292,
65.2850)**

Conversions

Conversions Part 1

Format	Color
Hex	7769D5
RGB	119, 105, 213
RGB Percent	47%, 41%, 84%
CMY	0.5333, 0.5882, 0.1647
CMYK	0.44, 0.51, 0.00, 0.16
HSL	248°, 56%, 62%
HSV	248°, 51%, 84%
XYZ	24.6696, 18.8292, 65.2850
YIQ	121.4980, -26.3240, 36.5560

Conversions

Conversions Part 2

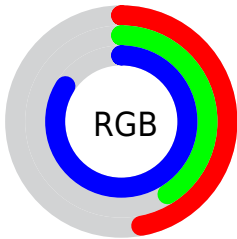
Format	Color
RYB	119, 105, 213
Decimal	7825877
CIELab	50.49, 32.36, -54.02
CIELCh	50, 62.967, 300.926
Yxy	18.8292, 0.2268, 0.1731
Android (android.graphics.Color)	4286015957 (0xFF7769D5)
YUV	121.4980, 45.1105, -2.1907
Hunter-Lab	43.3926, 25.5438, -58.8281

Details

The XYZ color **24.6696, 18.8292, 65.2850** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **49.8969, 60.7506, 22.4612**, and the grayscale version is **18.2003, 19.1481, 20.8523**.

A 20% lighter version of the original color is **48.0115, 40.5640, 99.9069**, and **9.6213, 6.4190, 33.0796** is the 20% darker color. If you saturate the color by 10%, you get **20.4648, 13.8345, 64.5429**, and if you desaturate by 10%, it is **29.9155, 25.1674, 66.2323**.

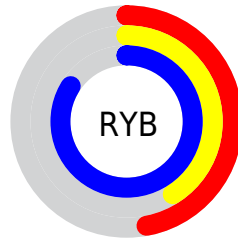
Distribution



Red (47%)

Green (41%)

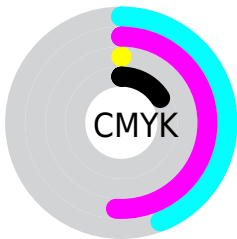
Blue (84%)



Red (47%)

Yellow (41%)

Blue (84%)

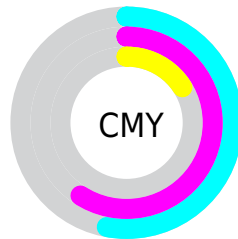


Cyan (44%)

Magenta (51%)

Yellow (0%)

Black (16%)



Cyan (53%)

Magenta (59%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6696, 18.8292, 65.2850 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 24.6696, 18.8292, 65.2850 by changing the saturation by 10% instead.

■ 24.6696, 18.8292,
65.2850

■ 24.6696, 18.8292,
65.2850

268.5666,
245.5042, 462.1496

■ 15.9585, 11.5469,
47.2394

■ 50.5675, 41.4453,
114.0767

■ 9.5854, 6.4360,
32.8693

■ 68.4849, 57.5479,
145.6599

■ 5.1851, 3.1119,
21.7560

■ 90.2019, 77.3594,
182.5927

■ 2.3922, 1.1905,
13.4811

■ 116.0837,
101.2642, 225.2936

■ 0.8412, 0.0539,
7.6261

146.4957,
129.6467, 274.1812

■ 0.0000, 0.0000,
3.7723

181.8033,

■ 0.0000, 0.0000,

162.8913, 329.6741

1.5013

222.3718,
201.3823, 392.1907

■ 0.0000, 0.0000,
0.2189

■ 0.0000, 0.0000,
0.0000

■ 24.6696, 18.8292,
65.2850

■ 24.6696, 18.8292,
65.2850

■ 20.4648, 13.8345,
64.5429

■ 29.9155, 25.1674,
66.2323

■ 17.2282, 10.0838,
63.9896

■ 36.2639, 32.9352,
67.3970

■ 14.8816, 7.4666,
63.6081

■ 43.7739, 42.2135,
68.7921

■ 13.3326, 5.8520,
63.3781

■ 52.5001, 53.0767,
70.4290

■ 12.4788, 5.0456,
63.2674

■ 62.4933, 65.5944,
72.3184

■ 73.8016, 79.8317,
74.4705

■ 86.4705, 95.8505,
76.8947

■ 89.0103, 97.5841,
77.0955

Harmonies

Analogous

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



18.0879, 18.8292, 76.2320



24.6696, 18.8292, 65.2850



30.3134, 18.8292, 41.6915

Triad

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



24.6696, 18.8292, 65.2850



24.2629, 18.8292, 2.8813



8.5030, 18.8292, 21.0525

Complementary

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



24.6696, 18.8292, 65.2850



49.8969, 60.7506, 22.4612

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.



9.4395, 18.8292, 8.0767



24.6696, 18.8292, 65.2850



17.7067, 18.8292, 1.8779

Square

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



24.6696, 18.8292, 65.2850



30.0434, 18.8292, 7.5792



12.4928, 18.8292, 3.0314



9.5645, 18.8292, 43.2276

Rectangle

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



24.6696, 18.8292, 65.2850



32.2559, 18.8292, 26.3051



12.4928, 18.8292, 3.0314



8.5922, 18.8292, 15.6217

Sweetspot

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



24.6704, 18.8298, 65.2855



72.8337, 72.2007, 104.7051



38.5834, 49.3019, 70.4339



14.9961, 14.7156, 22.3000



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.



24.6704, 18.8298, 65.2855



30.2475, 20.1950, 96.9116



33.9879, 23.6332, 65.7215



11.8908, 12.0851, 15.6435



7.6706, 3.1069, 38.6486



0.5129, 0.2133, 2.3334

Inverse Universe

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



42.8010, 28.3731, 57.2522



60.7157, 36.2576, 82.2683



38.2698, 54.7566, 21.9171



12.8805, 12.6037, 15.3110



22.1627, 10.8014, 29.2243



1.3565, 0.6594, 1.8667

Previews

White Background



This preview shows how the XYZ color 24.6696, 18.8292, 65.2850 looks on a white background.

Color Contrast Check

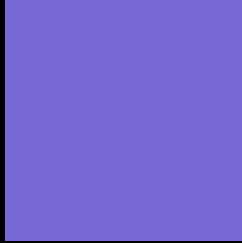
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6696, 18.8292, 65.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

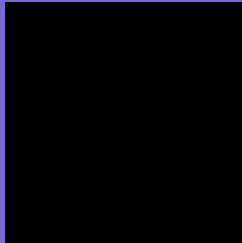
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.6696, 18.8292, 65.2850

Background



This preview shows how black text looks on a background with the XYZ color 24.6696, 18.8292, 65.2850.



This preview shows how white text looks on a background with the XYZ color 24.6696, 18.8292,

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

24.6696, 18.8292, 65.2850

Protanopia

21.8859, 18.9838, 73.7449

Deuteranopia

19.6404, 19.1269, 62.9783



Tritanopia

16.6563, 18.7892, 25.3030

Trichromacy



Original Color

24.6696, 18.8292, 65.2850

Protanomaly

22.4126, 18.6478, 70.8247

Deuteranomaly

20.6259, 18.5604, 63.4682

Tritanomaly

18.9160, 18.4311, 37.2109

Monochromacy



Original Color

24.6696, 18.8292, 65.2850

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.0469, 18.9223, 33.6061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6696, 18.8292, 65.2850 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(119, 105, 213)` looks like.

```
.text, #text, p{  
    color:rgb(119, 105, 213)  
}
```

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(119, 105, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 105, 213) }
```

Border

The CSS property to change the border of an element to XYZ 24.6696, 18.8292, 65.2850 is called "border". The border property can be set on classes, ids or directly on the HTML element.

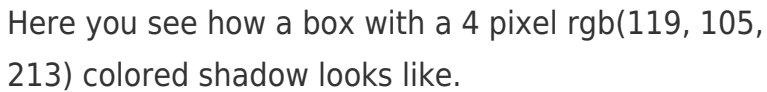
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 105, 213) }
```


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

```
.border{ border-color:rgb(119, 105, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 105, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 105, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 105, 213);  
box-shadow:4px 4px 4px 4px rgb(119, 105,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6696, 18.8292, 65.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 105, 213) }
```

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

```
.background{ background-color: rgb(119,  
105, 213) }
```

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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