

Converting Colors

XYZ(25.6341, 18.4187, 83.3964)

Have a look what the booklet for
XYZ(25.6341, 18.4187, 83.3964)
contains.

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Color

**XYZ(25.6635, 18.5006,
83.1073)**

Conversions

Conversions Part 1

Format	Color
Hex	6666EE
RGB	102, 102, 238
RGB Percent	40%, 40%, 93%
CMY	0.6000, 0.6000, 0.0667
CMYK	0.57, 0.57, 0.00, 0.07
HSL	240°, 80%, 67%
HSV	240°, 57%, 93%
XYZ	25.6635, 18.5006, 83.1073
YIQ	117.5040, -43.6560, 42.2960

Conversions

Conversions Part 2

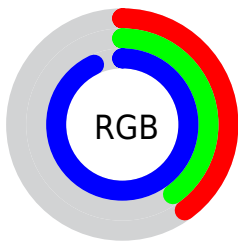
Format	Color
RYB	102, 102, 238
Decimal	6711022
CIELab	50.10, 38.26, -68.82
CIELCh	50, 78.739, 299.076
Yxy	18.5006, 0.2016, 0.1454
Android (android.graphics.Color)	4284901102 (0xFF6666EE)
YUV	117.5040, 59.4045, -13.5970
Hunter-Lab	43.0123, 31.2313, -84.4500

Details

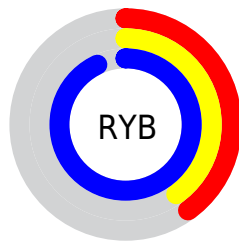
The XYZ color **25.6635, 18.5006, 83.1073** is a dark color, and the websafe version is hex **6666FF**. A complement of this color would be **68.2310, 80.2849, 24.4709**, and the grayscale version is **16.8967, 17.7766, 19.3587**.

A 20% lighter version of the original color is **44.5455, 37.7890, 99.5539**, and **10.1327, 6.2882, 44.3958** is the 20% darker color. If you saturate the color by 10%, you get **21.3303, 13.2789, 82.3282**, and if you desaturate by 10%, it is **31.4437, 25.4647, 84.1473**.

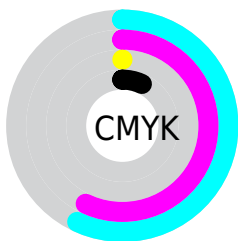
Distribution



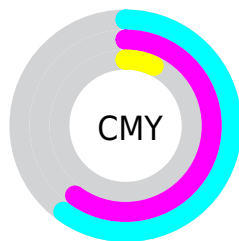
- Red (40%)
- Green (40%)
- Blue (93%)



- Red (40%)
- Yellow (40%)
- Blue (93%)



- Cyan (57%)
- Magenta (57%)
- Yellow (0%)
- Black (7%)



- Cyan (60%)
- Magenta (60%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6635, 18.5006, 83.1073 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 25.6635, 18.5006, 83.1073 by changing the saturation by 10% instead.

■ 25.6635, 18.5006,
83.1073

■ 25.6635, 18.5006,
83.1073

273.4134,
243.6777, 525.3244

■ 16.7034, 11.3100,
61.7375

■ 52.1668, 40.8885,
139.5763

■ 10.1173, 6.2757,
44.3862

■ 70.4407, 56.8546,
175.5126

■ 5.5396, 3.0135,
30.6349

■ 92.5499, 76.5146,
217.1416

■ 2.6052, 1.1388,
20.0648

■ 118.8598,
100.2530, 264.8817

■ 0.9486, 0.0108,
12.2576

149.7358,
128.4541, 319.1515

■ 0.0000, 0.0000,
6.7947

185.5431,

■ 0.0000, 0.0000,

161.5023, 380.3695

3.2576

226.6472,
199.7821, 448.9543

■ 0.0000, 0.0000,
1.2276

■ 0.0000, 0.0000,
0.0013

■ 25.6635, 18.5006,
83.1073

■ 25.6635, 18.5006,
83.1073

■ 21.3303, 13.2789,
82.3282

■ 31.4437, 25.4647,
84.1473

■ 18.3140, 9.6445,
81.7857

■ 38.7805, 34.3052,
85.4670

■ 16.4657, 7.4176,
81.4533

■ 47.7763, 45.1445,
87.0851

■ 15.5918, 6.3647,
81.2961

■ 58.5237, 58.0946,
89.0182

■ 15.4328, 6.1732,
81.2675

■ 71.1087, 73.2589,
91.2819

■ 85.6116, 90.7342,
93.8906

■ 92.4327, 98.9531,
95.1175

Harmonies

Analogous

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



17.3502, 18.5006, 97.3755



25.6635, 18.5006, 83.1073



33.2906, 18.5006, 50.1221

Triad

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



25.6635, 18.5006, 83.1073



26.1911, 18.5006, 1.3610



6.6641, 18.5006, 19.4781

Complementary

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



25.6635, 18.5006, 83.1073



68.2310, 80.2849, 24.4709

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.



7.8083, 18.5006, 5.4037



25.6635, 18.5006, 83.1073



17.8205, 18.5006, 0.5346

Square

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



25.6635, 18.5006, 83.1073



33.6517, 18.5006, 5.9035



11.4082, 18.5006, 1.2523



7.6722, 18.5006, 48.0107

Rectangle

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



25.6635, 18.5006, 83.1073



36.1353, 18.5006, 29.1380



11.4082, 18.5006, 1.2523



6.8024, 18.5006, 13.2221

Sweetspot

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



25.6644, 18.5011, 83.1078



68.5572, 68.0775, 104.1347



51.4870, 70.1473, 91.7155



14.0944, 13.8730, 22.1848



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.



25.6644, 18.5011, 83.1078



24.0789, 14.4839, 96.1343



36.7618, 24.2221, 83.6271



14.8974, 15.2288, 19.8759



8.6100, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Inverse Universe

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



55.4433, 33.8528, 84.4967



62.0883, 34.0787, 97.9064



49.5507, 70.6549, 23.5967



16.4543, 16.0314, 19.9486



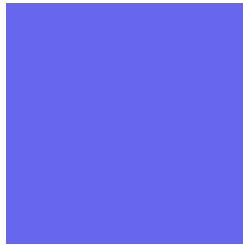
28.2804, 13.5846, 46.2548



2.3527, 1.1301, 3.8480

Previews

White Background



This preview shows how the XYZ color 25.6635, 18.5006, 83.1073 looks on a white background.

Color Contrast Check

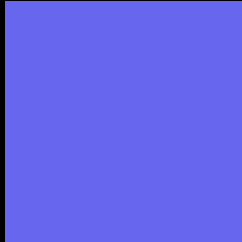
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6635, 18.5006, 83.1073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

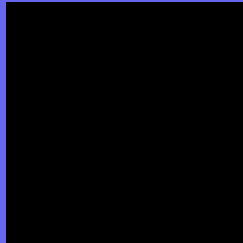
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 25.6635, 18.5006, 83.1073

Background



This preview shows how black text looks on a background with the XYZ color 25.6635, 18.5006, 83.1073.



This preview shows how white text looks on a background with the XYZ color 25.6635, 18.5006,

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

25.6635, 18.5006, 83.1073

Protanopia

22.1950, 18.5057, 87.1962

Deuteranopia

18.5952, 18.3779, 64.1952



Tritanopia

14.4293, 18.3592, 27.2093

Trichromacy



Original Color

25.6635, 18.5006, 83.1073



Protanomaly

22.2161, 17.8960, 85.5025



Deuteranomaly

19.8314, 17.6484, 70.7679



Tritanomaly

17.3953, 17.8666, 43.0892

Monochromacy



Original Color

25.6635, 18.5006, 83.1073



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

18.9978, 17.6417, 36.5863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6635, 18.5006, 83.1073 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(102, 102, 238)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 238)  
}
```

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(102, 102, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 238) }
```

Border

The CSS property to change the border of an element to XYZ 25.6635, 18.5006, 83.1073 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(102, 102, 238) }
```


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

```
.border{ border-color:rgb(102, 102, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 238);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6635, 18.5006, 83.1073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 238) }
```

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

```
.background{ background-color: rgb(102,  
102, 238) }
```

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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