

Converting Colors

XYZ(18.5706, 25.6043, 16.4530)

Have a look what the booklet for
XYZ(18.5706, 25.6043, 16.4530)
contains.

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Color

**XYZ(18.5601, 25.4813,
16.5105)**

Conversions

Conversions Part 1

Format	Color
Hex	649666
RGB	100, 150, 102
RGB Percent	39%, 59%, 40%
CMY	0.6078, 0.4118, 0.6000
CMYK	0.33, 0.00, 0.32, 0.41
HSL	122°, 20%, 49%
HSV	122°, 33%, 59%
XYZ	18.5601, 25.4813, 16.5105
YIQ	129.5780, -14.3920, -25.5280

Conversions

Conversions Part 2

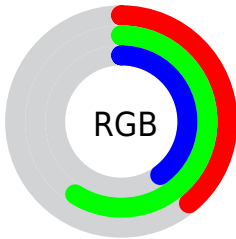
Format	Color
RYB	100, 148, 150
Decimal	6592102
CIELab	57.54, -26.91, 20.14
CIElCh	58, 33.614, 143.180
Yxy	25.4813, 0.3065, 0.4208
Android (android.graphics.Color)	4284782182 (0xFF649666)
YUV	129.5780, -13.5960, -25.9399
Hunter-Lab	50.4790, -22.7075, 15.9429

Details

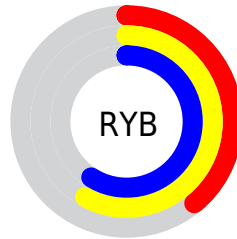
The XYZ color **18.5601, 25.4813, 16.5105** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.4809, 17.7369, 30.2566**, and the grayscale version is **21.1197, 22.2196, 24.1971**.

A 20% lighter version of the original color is **40.2915, 52.1610, 38.0815**, and **6.4668, 9.8776, 5.1802** is the 20% darker color. If you saturate the color by 10%, you get **16.3981, 24.4430, 12.9999**, and if you desaturate by 10%, it is **21.1530, 26.7289, 20.6900**.

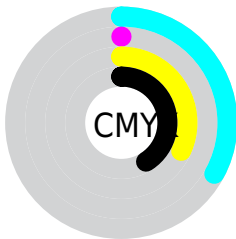
Distribution



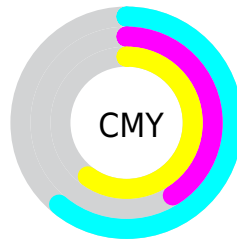
- Red (39%)
- Green (59%)
- Blue (40%)



- Red (39%)
- Yellow (58%)
- Blue (59%)



- Cyan (33%)
- Magenta (0%)
- Yellow (32%)
- Black (41%)



- Cyan (61%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5601, 25.4813, 16.5105 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 18.5601, 25.4813, 16.5105 by changing the saturation by 10% instead.

■ 18.5601, 25.4813,
16.5105

■ 18.5601, 25.4813,
16.5105

236.9944,
280.2264, 244.2832

■ 11.4550, 16.4360,
9.7279

■ 40.5121, 52.4370,
38.2613

■ 6.4433, 9.8332,
5.1157

■ 56.0896, 71.1161,
54.0665

■ 3.1596, 5.2885,
2.2554

■ 75.2221, 93.7753,
73.7163

■ 1.2387, 2.4175,
0.7060

■ 98.2747, 120.7990,
97.6292

■ 0.1366, 0.8349,
0.0000

125.6129,
152.5716, 126.2238

■ 0.0000, 0.0000,
0.0000

157.6020,

189.4774, 159.9187

194.6074,
231.9009, 199.1323

■ 18.5601, 25.4813,
16.5105

■ 18.5601, 25.4813,
16.5105

■ 16.3981, 24.4430,
12.9999

■ 21.1530, 26.7289,
20.6900

■ 14.6419, 23.5995,
10.1218

■ 24.1962, 28.1929,
25.5687

■ 13.2666, 22.9396,
7.8393

■ 27.7105, 29.8841,
31.1773

■ 12.2441, 22.4497,
6.1105

■ 31.7147, 31.8116,
37.5439

■ 11.5421, 22.1141,
4.8885

■ 36.2266, 33.9839,
44.6954

■ 11.1226, 21.9144,
4.1184

■ 41.2631, 36.4093,
52.6571

■ 10.9397, 21.8268,
3.8088

■ 46.8403, 39.0955,
61.4535

■ 52.9736, 42.0500,
71.1077

■ 59.6778, 45.2800,
81.6422

Harmonies

Analogous

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



21.3112, 25.4813, 12.0021



18.5601, 25.4813, 16.5105



17.3462, 25.4813, 25.2063

Triad

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



18.5601, 25.4813, 16.5105



23.3158, 25.4813, 55.9280



32.0149, 25.4813, 19.9339

Complementary

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



18.5601, 25.4813, 16.5105



22.4809, 17.7369, 30.2566

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.



32.7033, 25.4813, 30.4483



18.5601, 25.4813, 16.5105



27.3804, 25.4813, 53.3743

Square

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



18.5601, 25.4813, 16.5105



19.8890, 25.4813, 49.4232



30.9255, 25.4813, 43.1811



29.1363, 25.4813, 13.5641

Rectangle

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



18.5601, 25.4813, 16.5105



17.4653, 25.4813, 33.0865



30.9255, 25.4813, 43.1811



32.5222, 25.4813, 23.0114

Sweetspot

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



18.5608, 25.4824, 16.5111



44.5537, 50.6444, 48.0853



25.4808, 29.0611, 16.3231



9.7057, 11.1426, 10.3879



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5608, 25.4824, 16.5111



29.8398, 43.5679, 24.4101



19.9716, 26.0467, 23.9405



5.7384, 6.4720, 6.2335



9.0757, 18.1031, 3.1741



0.1129, 0.2223, 0.0487

Inverse Universe

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



22.4809, 17.7369, 30.2566



37.8453, 27.7466, 52.4770



20.7316, 17.0372, 21.0449



6.0254, 5.9052, 7.2399



14.6095, 7.0489, 22.4884



0.1813, 0.0873, 0.2885

Previews

White Background



This preview shows how the XYZ color 18.5601, 25.4813, 16.5105 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 18.5601, 25.4813, 16.5105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

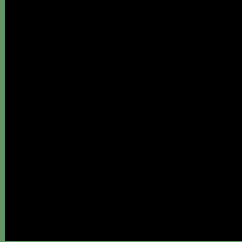
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5601, 25.4813, 16.5105

Background



This preview shows how black text looks on a background with the XYZ color 18.5601, 25.4813, 16.5105.



This preview shows how white text looks on a background with the XYZ color 18.5601, 25.4813,

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

18.5601, 25.4813, 16.5105

Protanopia

23.6406, 25.4296, 14.9717

Deuteranopia

25.5507, 25.1202, 17.1377



Tritanopia

22.1693, 25.3265, 34.7304

Trichromacy



Original Color

18.5601, 25.4813, 16.5105

Protanomaly

21.2852, 25.0721, 15.5219

Deuteranomaly

22.4299, 24.9741, 17.0029

Tritanomaly

20.6667, 25.3995, 27.1059

Monochromacy



Original Color

18.5601, 25.4813, 16.5105

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.9436, 23.1693, 21.1903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5601, 25.4813, 16.5105 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(100, 150, 102)` looks like.

```
.text, #text, p{  
    color:rgb(100, 150, 102)  
}
```

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(100, 150, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 150, 102) }
```

Border

The CSS property to change the border of an element to XYZ 18.5601, 25.4813, 16.5105 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(100, 150, 102) }
```


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

```
.border{ border-color:rgb(100, 150, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 150, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 150, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 150, 102);  
box-shadow:4px 4px 4px 4px rgb(100, 150,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5601, 25.4813, 16.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 150, 102) }
```

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

```
.background{ background-color: rgb(100,  
150, 102) }
```

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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