

Converting Colors

XYZ(18.6936, 18.0236, 16.1934)

Have a look what the booklet for
XYZ(18.6936, 18.0236, 16.1934)
contains.

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Color

**XYZ(18.6600, 18.0851,
16.1430)**

Conversions

Conversions Part 1

Format	Color
Hex	88716A
RGB	136, 113, 106
RGB Percent	53%, 44%, 42%
CMY	0.4667, 0.5568, 0.5843
CMYK	0.00, 0.17, 0.22, 0.47
HSL	14°, 12%, 47%
HSV	14°, 22%, 53%
XYZ	18.6600, 18.0851, 16.1430
YIQ	119.0790, 15.9550, 2.6990

Conversions

Conversions Part 2

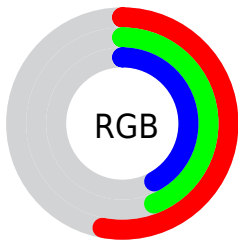
Format	Color
R_{YB}	136, 115, 106
Decimal	8941930
CIE Lab	49.60, 7.84, 7.25
CIE LCh	50, 10.681, 42.740
Yxy	18.0851, 0.3528, 0.3420
Android (android.graphics.Color)	4287132010 (0xFF88716A)
YUV	119.0790, -6.4479, 14.8397
Hunter-Lab	42.5266, 3.9015, 7.2622

Details

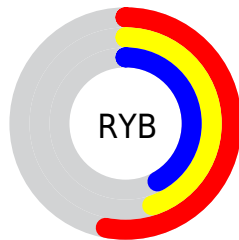
The XYZ color **18.6600, 18.0851, 16.1430** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2379, 20.5418, 26.2964**, and the grayscale version is **17.5762, 18.4915, 20.1373**.

A 20% lighter version of the original color is **40.7761, 40.2917, 37.5262**, and **6.5175, 6.0748, 4.9667** is the 20% darker color. If you saturate the color by 10%, you get **16.9111, 15.6307, 12.3431**, and if you desaturate by 10%, it is **20.6557, 20.8533, 20.5790**.

Distribution



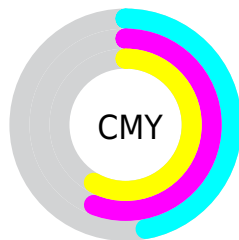
- Red (53%)
- Green (44%)
- Blue (42%)



- Red (53%)
- Yellow (45%)
- Blue (42%)



- Cyan (0%)
- Magenta (17%)
- Yellow (22%)
- Black (47%)



- Cyan (47%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6600, 18.0851, 16.1430 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 18.6600, 18.0851, 16.1430 by changing the saturation by 10% instead.

■ 18.6600, 18.0851,
16.1430

■ 18.6600, 18.0851,
16.1430

237.5396,
241.3503, 242.0585

■ 11.5274, 11.0111,
9.4699

■ 40.6801, 40.1823,
37.6165

■ 6.4927, 6.0743,
4.9480

■ 56.2983, 55.9743,
53.2541

■ 3.1904, 2.8903,
2.1586

■ 75.4758, 75.4410,
72.7169

■ 1.2552, 1.0747,
0.6503

■ 98.5779, 98.9669,
96.4235

■ 0.1493, 0.0000,
0.0000

125.9700,
126.9364, 124.7924

■ 0.0000, 0.0000,
0.0000

158.0174,

159.7339, 158.2422

195.0855,
197.7437, 197.1914

■ 18.6600, 18.0851,
16.1430

■ 18.6600, 18.0851,
16.1430

■ 16.9111, 15.6307,
12.3431

■ 20.6557, 20.8533,
20.5790

■ 15.3978, 13.4766,
9.1489

■ 22.9060, 23.9433,
25.6775

■ 14.1101, 11.6117,
6.5292

■ 25.4200, 27.3661,
31.4644

■ 13.0367, 10.0235,
4.4495

■ 28.2061, 31.1312,
37.9643

■ 12.1654, 8.6984,
2.8716

■ 31.2723, 35.2479,
45.2003

■ 11.4824, 7.6218,
1.7521

■ 34.6261, 39.7250,
53.1946

■ 10.9723, 6.7772,
1.0404

■ 38.2749, 44.5711,
61.9684

■ 10.6631, 6.2536,
0.6451

■ 42.2257, 49.7944,
71.5420

■ 46.4853, 55.4030,
81.9351

Harmonies

Analogous

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



19.1601, 18.0851, 18.4868



18.6600, 18.0851, 16.1430



17.7738, 18.0851, 14.8302

Triad

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



18.6600, 18.0851, 16.1430



15.3955, 18.0851, 18.0824



17.6225, 18.0851, 25.6494

Complementary

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



18.6600, 18.0851, 16.1430



18.2379, 20.5418, 26.2964

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.



16.6179, 18.0851, 25.5139



18.6600, 18.0851, 16.1430



15.3586, 18.0851, 20.9477

Square

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



18.6600, 18.0851, 16.1430



15.9010, 18.0851, 15.8721



15.7981, 18.0851, 23.7255



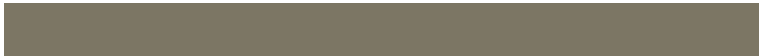
18.5455, 18.0851, 24.0795

Rectangle

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



18.6600, 18.0851, 16.1430



17.0964, 18.0851, 14.6285



15.7981, 18.0851, 23.7255



17.2826, 18.0851, 25.8059

Sweetspot

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



18.6605, 18.0859, 16.1434



38.2898, 39.3490, 40.5257



19.2700, 17.1276, 23.0594



8.8240, 9.0531, 9.2870



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.6605, 18.0859, 16.1434



31.4435, 29.8562, 25.2962



20.4742, 21.7134, 16.7480



5.1215, 5.2259, 5.2912



10.0985, 5.9315, 0.6126



0.0768, 0.0588, 0.0073

Inverse Universe

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



18.2379, 20.5418, 26.2964



30.5728, 34.9029, 46.1739



16.4054, 16.8766, 25.6856



5.0756, 5.4941, 6.3988



8.9230, 11.1163, 23.7211



0.0704, 0.0960, 0.1613

Previews

White Background



This preview shows how the XYZ color 18.6600, 18.0851, 16.1430 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 18.6600, 18.0851, 16.1430 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 18.6600, 18.0851, 16.1430

Background



This preview shows how black text looks on a background with the XYZ color 18.6600, 18.0851, 16.1430.

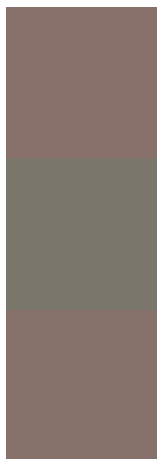


This preview shows how white text looks on a background with the XYZ color 18.6600, 18.0851,

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

18.6600, 18.0851, 16.1430

Protanopia

17.2112, 18.1772, 16.7888

Deuteranopia

18.4503, 18.1436, 16.1653



Tritanopia

19.5558, 18.1282, 20.2377

Trichromacy



Original Color

18.6600, 18.0851, 16.1430

Protanomaly

17.6516, 18.0643, 16.4663

Deuteranomaly

18.6105, 18.2261, 16.1728

Tritanomaly

19.2052, 18.1445, 18.7097

Monochromacy



Original Color

18.6600, 18.0851, 16.1430

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8560, 18.2975, 18.5102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6600, 18.0851, 16.1430 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(136, 113, 106)` looks like.

```
.text, #text, p{  
    color:rgb(136, 113, 106)  
}
```

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(136, 113, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 113, 106) }
```

Border

The CSS property to change the border of an element to XYZ 18.6600, 18.0851, 16.1430 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(136, 113, 106) }
```


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

```
.border{ border-color:rgb(136, 113, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 113, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 113, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 113, 106);  
box-shadow:4px 4px 4px 4px rgb(136, 113,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6600, 18.0851, 16.1430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 113, 106) }
```

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

```
.background{ background-color: rgb(136,  
113, 106) }
```

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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