

Converting Colors

XYZ(18.6054, 20.8793, 17.0059)

Have a look what the booklet for
XYZ(18.6054, 20.8793, 17.0059)
contains.

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Color

**XYZ(18.6725, 20.9730,
16.9740)**

Conversions

Conversions Part 1

Format	Color
Hex	7B816B
RGB	123, 129, 107
RGB Percent	48%, 51%, 42%
CMY	0.5176, 0.4941, 0.5804
CMYK	0.05, 0.00, 0.17, 0.49
HSL	76°, 9%, 46%
HSV	76°, 17%, 51%
XYZ	18.6725, 20.9730, 16.9740
YIQ	124.6980, 3.4860, -8.1140

Conversions

Conversions Part 2

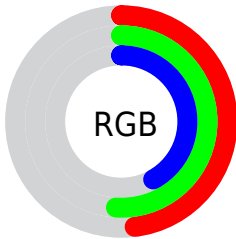
Format	Color
RYB	107, 129, 113
Decimal	8094059
CIELab	52.92, -6.40, 11.19
CIElCh	53, 12.892, 119.789
Yxy	20.9730, 0.3298, 0.3704
Android (android.graphics.Color)	4286284139 (0xFF7B816B)
YUV	124.6980, -8.7251, -1.4891
Hunter-Lab	45.7963, -7.3638, 10.0821

Details

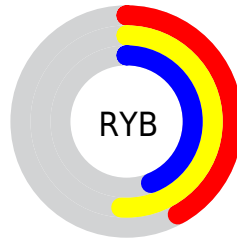
The XYZ color **18.6725, 20.9730, 16.9740** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0310, 15.6117, 22.9384**, and the grayscale version is **19.4195, 20.4309, 22.2492**.

A 20% lighter version of the original color is **40.8040, 45.1546, 38.9129**, and **6.5083, 7.5194, 5.3833** is the 20% darker color. If you saturate the color by 10%, you get **17.5496, 20.4674, 13.6391**, and if you desaturate by 10%, it is **19.9160, 21.5303, 20.8441**.

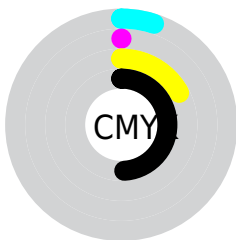
Distribution



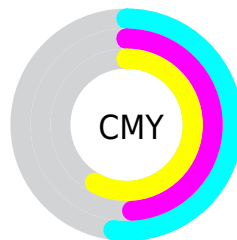
- Red (48%)
- Green (51%)
- Blue (42%)



- Red (42%)
- Yellow (51%)
- Blue (44%)



- Cyan (5%)
- Magenta (0%)
- Yellow (17%)
- Black (49%)



- Cyan (52%)
- Magenta (49%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6725, 20.9730, 16.9740 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 18.6725, 20.9730, 16.9740 by changing the saturation by 10% instead.

■ 18.6725, 20.9730,
16.9740

■ 18.6725, 20.9730,
16.9740

237.6077,
257.1350, 247.0614

■ 11.5365, 13.1043,
10.0542

■ 40.7011, 45.0426,
39.0711

■ 6.4988, 7.5004,
5.3288

■ 56.3244, 62.0122,
55.0855

■ 3.1942, 3.7770,
2.3794

■ 75.5076, 82.7843,
74.9685

■ 1.2573, 1.5496,
0.7752

■ 98.6159, 107.7432,
99.1386

■ 0.1509, 0.3233,
0.0000

126.0147,
137.2734, 128.0144

■ 0.0000, 0.0000,
0.0000

158.0693,

171.7591, 162.0145

195.1452,
211.5848, 201.5573

■ 18.6725, 20.9730,
16.9740

■ 18.6725, 20.9730,
16.9740

■ 17.5496, 20.4674,
13.6391

■ 19.9160, 21.5303,
20.8441

■ 16.5408, 20.0088,
10.8144

■ 21.2826, 22.1383,
25.2700

■ 15.6418, 19.5962,
8.4751

■ 22.7772, 22.7996,
30.2731

■ 14.8471, 19.2274,
6.5936

■ 24.4036, 23.5158,
35.8731

■ 14.1508, 18.8999,
5.1399

■ 26.1656, 24.2884,
42.0889

■ 13.5463, 18.6111,
4.0800

■ 28.0668, 25.1188,
48.9384

■ 13.0260, 18.3579,
3.3749

■ 30.1106, 26.0086,
56.4390

■ 12.5748, 18.1343,
2.9466

■ 32.3004, 26.9589,
64.6071

■ 12.4472, 18.0710,
2.8320

■ 34.6394, 27.9712,
73.4589

Harmonies

Analogous

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



19.9438, 20.9730, 16.1808



18.6725, 20.9730, 16.9740



17.7746, 20.9730, 19.2966

Triad

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



18.6725, 20.9730, 16.9740



18.6567, 20.9730, 29.8799



22.6436, 20.9730, 22.8634

Complementary

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



18.6725, 20.9730, 16.9740



16.0310, 15.6117, 22.9384

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.



22.2621, 20.9730, 26.7838



18.6725, 20.9730, 16.9740



19.9247, 20.9730, 31.1039

Square

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



18.6725, 20.9730, 16.9740



17.7657, 20.9730, 26.7311



21.2515, 20.9730, 29.9127



22.2724, 20.9730, 19.3390

Rectangle

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



18.6725, 20.9730, 16.9740



17.4877, 20.9730, 21.5436



21.2515, 20.9730, 29.9127



22.5989, 20.9730, 24.1791

Sweetspot

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



18.6731, 20.9739, 16.9745



36.1200, 38.7577, 38.7822



17.5981, 17.5099, 16.3625



8.1442, 8.7586, 8.6778



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.6731, 20.9739, 16.9745



32.7272, 37.2382, 28.2518



17.2039, 20.2165, 16.9057



4.5545, 4.9623, 4.6379



12.1396, 17.6206, 2.7613



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.0310, 15.6117, 22.9384



27.1804, 25.9794, 40.7744



17.5138, 16.3761, 23.0078



4.2105, 4.2641, 5.4144



4.5493, 1.8989, 20.3767



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.6725, 20.9730, 16.9740 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 18.6725, 20.9730, 16.9740 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

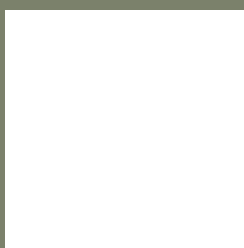
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6725, 20.9730, 16.9740

Background



This preview shows how black text looks on a background with the XYZ color 18.6725, 20.9730, 16.9740.



This preview shows how white text looks on a background with the XYZ color 18.6725, 20.9730,

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

18.6725, 20.9730, 16.9740

Protanopia

19.6835, 20.9282, 16.3667

Deuteranopia

21.2747, 20.7986, 17.3612



Tritanopia

20.4592, 20.9285, 25.8830

Trichromacy



Original Color

18.6725, 20.9730, 16.9740

Protanomaly

19.2442, 20.8865, 16.6529

Deuteranomaly

20.2310, 20.8164, 17.1390

Tritanomaly

19.7667, 20.8380, 22.3824

Monochromacy



Original Color

18.6725, 20.9730, 16.9740

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.0430, 20.5148, 20.0956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6725, 20.9730, 16.9740 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(123, 129, 107)` looks like.

```
.text, #text, p{  
    color:rgb(123, 129, 107)  
}
```

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(123, 129, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 129, 107) }
```

Border

The CSS property to change the border of an element to XYZ 18.6725, 20.9730, 16.9740 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(123, 129, 107) }
```


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

```
.border{ border-color:rgb(123, 129, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 129, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 129, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 129, 107);  
box-shadow:4px 4px 4px 4px rgb(123, 129,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6725, 20.9730, 16.9740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 129, 107) }
```

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

```
.background{ background-color: rgb(123,  
129, 107) }
```

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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