

Converting Colors

XYZ(16.6953, 23.7229, 16.3677)

Have a look what the booklet for
XYZ(16.6953, 23.7229, 16.3677)
contains.

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Color

**XYZ(16.7625, 23.8530,
16.2910)**

Conversions

Conversions Part 1

Format	Color
Hex	579366
RGB	87, 147, 102
RGB Percent	34%, 58%, 40%
CMY	0.6588, 0.4235, 0.6000
CMYK	0.41, 0.00, 0.31, 0.42
HSL	135°, 26%, 46%
HSV	135°, 41%, 58%
XYZ	16.7625, 23.8530, 16.2910
YIQ	123.9300, -21.3150, -26.7150

Conversions

Conversions Part 2

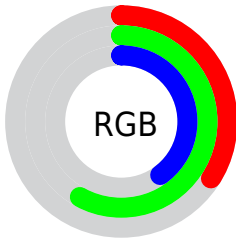
Format	Color
RYB	87, 135, 147
Decimal	5739366
CIELab	55.94, -29.69, 17.86
CIELCh	56, 34.650, 148.974
Yxy	23.8530, 0.2946, 0.4192
Android (android.graphics.Color)	4283929446 (0xFF579366)
YUV	123.9300, -10.8115, -32.3876
Hunter-Lab	48.8395, -24.2052, 14.4108

Details

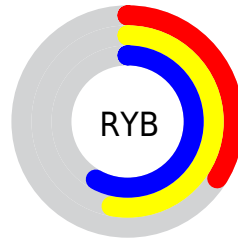
The XYZ color **16.7625, 23.8530, 16.2910** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.6065, 14.6859, 23.6321**, and the grayscale version is **19.1753, 20.1740, 21.9694**.

A 20% lighter version of the original color is **37.2839, 49.5622, 37.7384**, and **5.6000, 9.0166, 5.0597** is the 20% darker color. If you saturate the color by 10%, you get **15.0165, 23.0126, 13.5426**, and if you desaturate by 10%, it is **18.8620, 24.8686, 19.4367**.

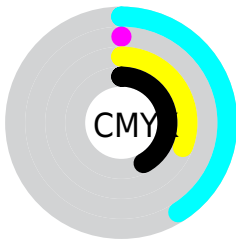
Distribution



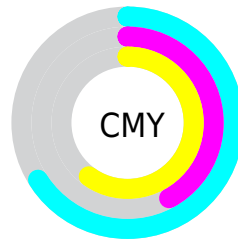
- Red (34%)
- Green (58%)
- Blue (40%)



- Red (34%)
- Yellow (53%)
- Blue (58%)



- Cyan (41%)
- Magenta (0%)
- Yellow (31%)
- Black (42%)



- Cyan (66%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7625, 23.8530, 16.2910 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 16.7625, 23.8530, 16.2910 by changing the saturation by 10% instead.

■ 16.7625, 23.8530,
16.2910

■ 16.7625, 23.8530,
16.2910

226.9830,
272.0765, 242.9568

■ 10.1596, 15.2246,
9.5737

■ 37.4638, 49.7902,
37.8765

■ 5.5680, 8.9772,
5.0154

■ 52.2929, 67.8678,
53.5817

■ 2.6223, 4.7263,
2.1974

■ 70.5948, 89.8640,
73.1201

■ 0.9574, 2.0876,
0.6729

■ 92.7348, 116.1630,
96.9100

■ 0.0000, 0.6576,
0.0000

119.0782,
147.1494, 125.3701

■ 0.0000, 0.0000,
0.0000

149.9905,

183.2075, 158.9189

185.8370,
224.7217, 197.9750

■ 16.7625, 23.8530,
16.2910

■ 16.7625, 23.8530,
16.2910

■ 15.0165, 23.0126,
13.5426

■ 18.8620, 24.8686,
19.4367

■ 13.6021, 22.3344,
11.1740

■ 21.3316, 26.0655,
22.9929

■ 12.4981, 21.8085,
9.1689


■ 24.1887, 27.4533,
26.9743


■ 11.6797, 21.4225,
7.5091


■ 27.4494, 29.0398,
31.3945


■ 11.1182, 21.1620,
6.1748


■ 31.1288, 30.8325,
36.2662

 10.7642, 21.0004,
5.2159

 35.2411, 32.8387,
41.6017

 39.8000, 35.0650,
47.4130

 44.8183, 37.5178,
53.7114

 50.3087, 40.2034,
60.5081

Harmonies

Analogous

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



19.1856, 23.8530, 11.2046



16.7625, 23.8530, 16.2910



15.8901, 23.8530, 25.5842

Triad

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



16.7625, 23.8530, 16.2910



22.5358, 23.8530, 54.3788



29.9915, 23.8530, 16.7904

Complementary

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



16.7625, 23.8530, 16.2910



19.6065, 14.6859, 23.6321

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.



31.1510, 23.8530, 26.3634



16.7625, 23.8530, 16.2910



26.5561, 23.8530, 50.0462

Square

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



16.7625, 23.8530, 16.2910



18.9756, 23.8530, 49.4454



29.8279, 23.8530, 38.8834



26.8187, 23.8530, 11.4285

Rectangle

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



16.7625, 23.8530, 16.2910



16.2172, 23.8530, 33.7113



29.8279, 23.8530, 38.8834



30.6449, 23.8530, 19.5181

Sweetspot

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



16.7631, 23.8540, 16.2915



42.5414, 48.7860, 47.2380



21.8278, 26.5432, 12.9900



9.5714, 11.0688, 10.5902



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.



16.7631, 23.8540, 16.2915



27.1217, 41.3214, 24.6244



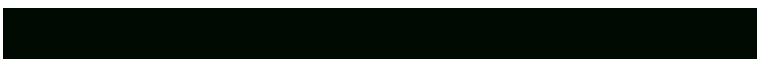
18.4617, 24.5334, 25.2360



5.7855, 6.4908, 6.4816



9.3404, 18.2089, 4.5681



0.1247, 0.2270, 0.1105

Inverse Universe

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



19.6065, 14.6859, 23.6321



32.9246, 22.5784, 39.5817



17.8897, 13.9992, 14.5916



5.9740, 5.8847, 6.9692



12.8937, 6.3625, 13.4531



0.1696, 0.0826, 0.2267

Previews

White Background



This preview shows how the XYZ color 16.7625, 23.8530, 16.2910 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 16.7625, 23.8530, 16.2910 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 16.7625, 23.8530, 16.2910

Background



This preview shows how black text looks on a background with the XYZ color 16.7625, 23.8530, 16.2910.



This preview shows how white text looks on a background with the XYZ color 16.7625, 23.8530,

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

16.7625, 23.8530, 16.2910

Protanopia

22.0004, 23.5489, 14.4522

Deuteranopia

24.0310, 23.5469, 16.9141



Tritanopia

20.2294, 23.9134, 33.2553

Trichromacy



Original Color

16.7625, 23.8530, 16.2910

Protanomaly

19.4615, 23.2698, 15.0211

Deuteranomaly

20.5738, 23.1732, 16.7531

Tritanomaly

18.7416, 23.7458, 26.1499

Monochromacy



Original Color

16.7625, 23.8530, 16.2910

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.9592, 21.1430, 19.6575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7625, 23.8530, 16.2910 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(87, 147, 102)` looks like.

```
.text, #text, p{  
    color:rgb(87, 147, 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(87, 147, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 147, 102) }
```

Border

The CSS property to change the border of an element to XYZ 16.7625, 23.8530, 16.2910 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(87, 147, 102) }
```


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

```
.border{ border-color:rgb(87, 147, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 147, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 147, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 147, 102);  
box-shadow:4px 4px 4px 4px rgb(87, 147,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7625, 23.8530, 16.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 147, 102) }
```

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

```
.background{ background-color: rgb(87, 147,  
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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