

Converting Colors

XYZ(16.9904, 23.5395, 18.6421)

Have a look what the booklet for
XYZ(16.9904, 23.5395, 18.6421)
contains.

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Color

**XYZ(16.9251, 23.4247,
18.6683)**

Conversions

Conversions Part 1

Format	Color
Hex	57916F
RGB	87, 145, 111
RGB Percent	34%, 57%, 44%
CMY	0.6588, 0.4314, 0.5647
CMYK	0.40, 0.00, 0.23, 0.43
HSL	145°, 25%, 45%
HSV	145°, 40%, 57%
XYZ	16.9251, 23.4247, 18.6683
YIQ	123.7820, -23.6540, -22.8700

Conversions

Conversions Part 2

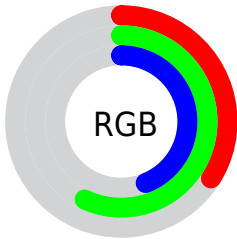
Format	Color
RYB	87, 128, 145
Decimal	5738863
CIELab	55.51, -26.92, 12.18
CIElCh	56, 29.549, 155.656
Yxy	23.4247, 0.2868, 0.3969
Android (android.graphics.Color)	4283928943 (0xFF57916F)
YUV	123.7820, -6.3015, -32.2578
Hunter-Lab	48.3991, -22.2771, 11.0102

Details

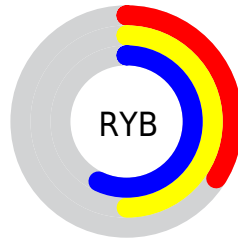
The XYZ color **16.9251, 23.4247, 18.6683** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.5372, 14.2171, 19.8572**, and the grayscale version is **19.1120, 20.1073, 21.8969**.

A 20% lighter version of the original color is **37.6817, 48.9802, 42.1184**, and **5.6275, 8.7394, 6.0929** is the 20% darker color. If you saturate the color by 10%, you get **15.2590, 22.6180, 16.2625**, and if you desaturate by 10%, it is **18.9090, 24.3914, 21.3225**.

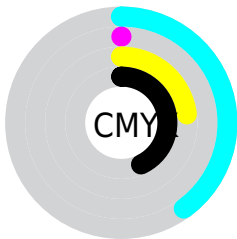
Distribution



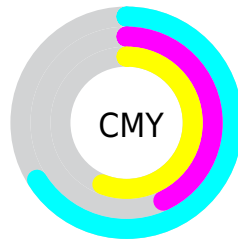
- Red (34%)
- Green (57%)
- Blue (44%)



- Red (34%)
- Yellow (50%)
- Blue (57%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (43%)



- Cyan (66%)
- Magenta (43%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9251, 23.4247, 18.6683 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 16.9251, 23.4247, 18.6683 by changing the saturation by 10% instead.

■ 16.9251, 23.4247,
18.6683

■ 16.9251, 23.4247,
18.6683

227.9050,
269.8989, 256.9728

■ 10.2761, 14.9074,
11.2565

■ 37.7416, 49.0897,
42.0021

■ 5.6461, 8.7544,
6.1233

■ 52.6397, 67.0063,
58.7611

■ 2.6697, 4.5814,
2.8502

■ 71.0183, 88.8247,
79.4729

■ 0.9816, 2.0038,
1.0187

■ 93.2427, 114.9294,
104.5560

■ 0.0000, 0.6097,
0.0000

■ 119.6782,
145.7048, 134.4290

■ 0.0000, 0.0000,
0.0000

150.6902,

181.5353, 169.5105

186.6440,
222.8052, 210.2189

■ 16.9251, 23.4247,
18.6683

■ 16.9251, 23.4247,
18.6683

■ 15.2590, 22.6180,
16.2625

■ 18.9090, 24.3914,
21.3225

■ 13.8912, 21.9594,
14.0963

■ 21.2249, 25.5233,
24.2306

■ 12.8028, 21.4400,
12.1625


■ 23.8887, 26.8292,
27.3996


■ 11.9721, 21.0487,
10.4530


■ 26.9143, 28.3160,
30.8361


■ 11.3735, 20.7725,
8.9592

■ 30.3152, 29.9906,
34.5462

 10.9414, 20.5779,
7.6702

 34.1039, 31.8594,
38.5359

 38.2925, 33.9284,
42.8110

 42.8924, 36.2035,
47.3771

 47.9148, 38.6901,
52.2396

Harmonies

Analogous

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



18.7365, 23.4247, 13.3180



16.9251, 23.4247, 18.6683



16.4808, 23.4247, 27.3561

Triad

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



16.9251, 23.4247, 18.6683



22.9016, 23.4247, 48.4540



27.8833, 23.4247, 16.2393

Complementary

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



16.9251, 23.4247, 18.6683



18.5372, 14.2171, 19.8572

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.



29.2640, 23.4247, 23.7403



16.9251, 23.4247, 18.6683



26.2097, 23.4247, 43.4966

Square

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



16.9251, 23.4247, 18.6683



19.7279, 23.4247, 46.1281



28.6230, 23.4247, 33.8364



25.0097, 23.4247, 12.1800

Rectangle

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



16.9251, 23.4247, 18.6683



16.9768, 23.4247, 34.2983



28.6230, 23.4247, 33.8364



28.5498, 23.4247, 18.3607

Sweetspot

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



16.9257, 23.4257, 18.6688



41.6505, 47.4912, 47.7485



19.8442, 25.0629, 12.8088



9.1436, 10.5051, 10.4786



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.9257, 23.4257, 18.6688



27.5993, 40.6361, 29.5338



18.7314, 24.1479, 28.1776



5.4296, 6.0641, 6.2283



9.3968, 17.6546, 6.6439



0.1004, 0.1730, 0.1190

Inverse Universe

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



18.5372, 14.2171, 19.8572



30.8951, 21.7806, 31.9481



17.0528, 13.6234, 12.0406



5.5331, 5.4738, 6.3053



11.4354, 5.7312, 7.9441



0.1203, 0.0592, 0.1339

Previews

White Background



This preview shows how the XYZ color 16.9251, 23.4247, 18.6683 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 16.9251, 23.4247, 18.6683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

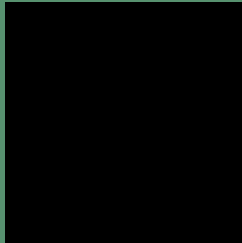
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9251, 23.4247, 18.6683

Background



This preview shows how black text looks on a background with the XYZ color 16.9251, 23.4247, 18.6683.



This preview shows how white text looks on a background with the XYZ color 16.9251, 23.4247,

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

16.9251, 23.4247, 18.6683

Protanopia

21.7856, 23.1852, 16.6916

Deuteranopia

23.4464, 22.9959, 19.4225



Tritanopia

19.7879, 23.4773, 32.7668

Trichromacy



Original Color

16.9251, 23.4247, 18.6683

Protanomaly

19.4847, 23.0178, 17.3258

Deuteranomaly

20.4644, 22.8543, 19.2523

Tritanomaly

18.6311, 23.4507, 26.8370

Monochromacy



Original Color

16.9251, 23.4247, 18.6683

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.1366, 21.2139, 20.5916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9251, 23.4247, 18.6683 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, 145, 111)` looks like.

```
.text, #text, p{  
    color:rgb(87, 145, 111)  
}
```

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, 145, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 145, 111) }
```

Border

The CSS property to change the border of an element to XYZ 16.9251, 23.4247, 18.6683 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, 145, 111) }
```


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

```
.border{ border-color:rgb(87, 145, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 145, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 145, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 145, 111);  
box-shadow:4px 4px 4px 4px rgb(87, 145,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9251, 23.4247, 18.6683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 145, 111) }
```

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

```
.background{ background-color: rgb(87, 145,  
111) }
```

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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