

Converting Colors

XYZ(18.6238, 23.3701, 23.4036)

Have a look what the booklet for
XYZ(18.6238, 23.3701, 23.4036)
contains.

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Color

**XYZ(18.5463, 23.2654,
23.2518)**

Conversions

Conversions Part 1

Format	Color
Hex	648D7E
RGB	100, 141, 126
RGB Percent	39%, 55%, 49%
CMY	0.6078, 0.4470, 0.5059
CMYK	0.29, 0.00, 0.11, 0.45
HSL	158°, 17%, 47%
HSV	158°, 29%, 55%
XYZ	18.5463, 23.2654, 23.2518
YIQ	127.0310, -19.6210, -13.3570

Conversions

Conversions Part 2

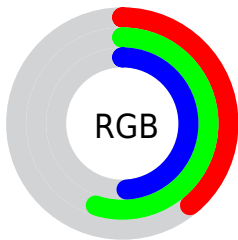
Format	Color
RYB	100, 125, 141
Decimal	6589822
CIELab	55.34, -17.51, 3.46
CIELCh	55, 17.852, 168.812
Yxy	23.2654, 0.2850, 0.3576
Android (android.graphics.Color)	4284779902 (0xFF648D7E)
YUV	127.0310, -0.5083, -23.7062
Hunter-Lab	48.2342, -15.7757, 5.1826

Details

The XYZ color **18.5463, 23.2654, 23.2518** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.6370, 16.0155, 18.3297**, and the grayscale version is **20.1905, 21.2419, 23.1325**.

A 20% lighter version of the original color is **40.6007, 48.9603, 49.9582**, and **6.4459, 8.7218, 8.3649** is the 20% darker color. If you saturate the color by 10%, you get **16.7955, 22.4009, 21.4770**, and if you desaturate by 10%, it is **20.5856, 24.2778, 25.1308**.

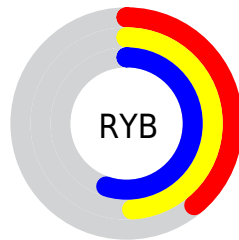
Distribution



Red (39%)

Green (55%)

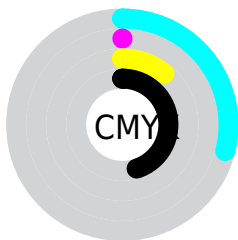
Blue (49%)



Red (39%)

Yellow (49%)

Blue (55%)

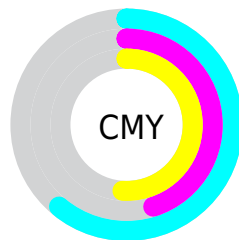


Cyan (29%)

Magenta (0%)

Yellow (11%)

Black (45%)



Cyan (61%)

Magenta (45%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5463, 23.2654, 23.2518 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 18.5463, 23.2654, 23.2518 by changing the saturation by 10% instead.

■ 18.5463, 23.2654,
23.2518

■ 18.5463, 23.2654,
23.2518

236.9190,
269.0852, 282.1794

■ 11.4450, 14.7896,
14.5725

■ 40.4889, 48.8287,
49.7349

■ 6.4365, 8.6719,
8.3766

■ 56.0608, 66.6851,
68.3757

■ 3.1554, 4.5278,
4.2457

■ 75.1870, 88.4371,
91.1742

■ 1.2365, 1.9730,
1.7611

■ 98.2328, 114.4691,
118.5488

■ 0.1349, 0.5917,
0.4021

125.5635,
145.1655, 150.9181

■ 0.0000, 0.0000,
0.0000

157.5445,

180.9107, 188.7006

194.5413,
222.0892, 232.3148

■ 18.5463, 23.2654,
23.2518

■ 18.5463, 23.2654,
23.2518

■ 16.7955, 22.4009,
21.4770

■ 20.5856, 24.2778,
25.1308

■ 15.3169, 21.6742,
19.8027

■ 22.9245, 25.4421,
27.1142

■ 14.0959, 21.0784,
18.2274

■ 25.5760, 26.7655,
29.2045

■ 13.1155, 20.6047,
16.7489

■ 28.5517, 28.2539,
31.4035

■ 12.3564, 20.2432,
15.3649

■ 31.8626, 29.9131,
33.7129

■ 11.7965, 19.9826,
14.0728

■ 35.5193, 31.7484,
36.1344

■ 11.3822, 19.7952,
12.8687

■ 39.5317, 33.7649,
38.6696

■ 11.3458, 19.7788,
12.7618

■ 43.9094, 35.9675,
41.3202

■ 48.6616, 38.3611,
44.0877

Harmonies

Analogous

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



19.3397, 23.2654, 18.7411



18.5463, 23.2654, 23.2518



18.6644, 23.2654, 29.0575

Triad

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



18.5463, 23.2654, 23.2518



23.3783, 23.2654, 37.2717



24.7473, 23.2654, 17.9057

Complementary

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



18.5463, 23.2654, 23.2518



18.6370, 16.0155, 18.3297

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.



25.9623, 23.2654, 21.9395



18.5463, 23.2654, 23.2518



25.1396, 23.2654, 33.3112

Square

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



18.5463, 23.2654, 23.2518



21.3742, 23.2654, 37.7649



26.1101, 23.2654, 27.5328



22.8687, 23.2654, 15.9799

Rectangle

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



18.5463, 23.2654, 23.2518



19.2460, 23.2654, 32.8925



26.1101, 23.2654, 27.5328



25.2516, 23.2654, 19.0292

Sweetspot

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



18.5470, 23.2664, 23.2523



41.0011, 45.5353, 48.5133



18.9005, 23.6179, 15.6196



9.0295, 10.1065, 10.7302



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.5470, 23.2664, 23.2523



31.0649, 40.6022, 39.4979



18.8026, 22.1105, 28.4771



5.4777, 6.0833, 6.4812



10.3526, 18.0369, 11.6768



0.1096, 0.1767, 0.1676

Inverse Universe

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



18.6370, 16.0155, 18.3297



31.2555, 25.3944, 29.1821



18.3847, 16.7819, 14.3273



5.4854, 5.4547, 6.0539



10.5797, 5.3889, 3.4383



0.1111, 0.0555, 0.0852

Previews

White Background



This preview shows how the XYZ color 18.5463, 23.2654, 23.2518 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 18.5463, 23.2654, 23.2518 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 18.5463, 23.2654, 23.2518

Background



This preview shows how black text looks on a background with the XYZ color 18.5463, 23.2654, 23.2518.



This preview shows how white text looks on a background with the XYZ color 18.5463, 23.2654,

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

18.5463, 23.2654, 23.2518

Protanopia

22.0190, 23.2014, 21.4069

Deuteranopia

23.5357, 23.1343, 23.9938



Tritanopia

20.3390, 23.3501, 31.8688

Trichromacy



Original Color

18.5463, 23.2654, 23.2518

Protanomaly

20.5513, 23.0431, 22.1035

Deuteranomaly

21.3371, 23.0007, 23.7371

Tritanomaly

19.6339, 23.2719, 28.6564

Monochromacy



Original Color

18.5463, 23.2654, 23.2518

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.4181, 21.8167, 23.2663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5463, 23.2654, 23.2518 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, 141, 126)` looks like.

```
.text, #text, p{  
    color:rgb(100, 141, 126)  
}
```

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, 141, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 141, 126) }
```

Border

The CSS property to change the border of an element to XYZ 18.5463, 23.2654, 23.2518 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, 141, 126) }
```


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

```
.border{ border-color:rgb(100, 141, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 141, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 141, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 141, 126);  
box-shadow:4px 4px 4px 4px rgb(100, 141,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5463, 23.2654, 23.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 141, 126) }
```

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

```
.background{ background-color: rgb(100,  
141, 126) }
```

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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