

Converting Colors

XYZ(16.2884, 23.4374, 5.8135)

Have a look what the booklet for
XYZ(16.2884, 23.4374, 5.8135)
contains.

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Color

**XYZ(16.2522, 23.3610,
5.8430)**

Conversions

Conversions Part 1

Format	Color
Hex	68912A
RGB	104, 145, 42
RGB Percent	41%, 57%, 16%
CMY	0.5922, 0.4314, 0.8353
CMYK	0.28, 0.00, 0.71, 0.43
HSL	84°, 55%, 37%
HSV	84°, 71%, 57%
XYZ	16.2522, 23.3610, 5.8430
YIQ	120.9990, 8.6270, -40.7250

Conversions

Conversions Part 2

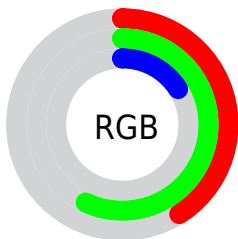
Format	Color
R_{YB}	42, 145, 83
Decimal	6852906
CIE _{Lab}	55.44, -30.42, 47.74
CIE _{LCh}	55, 56.607, 122.507
Yxy	23.3610, 0.3575, 0.5139
Android (android.graphics.Color)	4285042986 (0xFF68912A)
YUV	120.9990, -38.9465, -14.9081
Hunter-Lab	48.3332, -24.5619, 26.6657

Details

The XYZ color **16.2522, 23.3610, 5.8430** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.5071, 5.5399, 27.3576**, and the grayscale version is **18.2942, 19.2469, 20.9599**.

A 20% lighter version of the original color is **36.5444, 48.9241, 18.1069**, and **5.4189, 8.7355, 1.4005** is the 20% darker color. If you saturate the color by 10%, you get **15.3911, 22.9426, 4.6848**, and if you desaturate by 10%, it is **17.2542, 23.8427, 7.4990**.

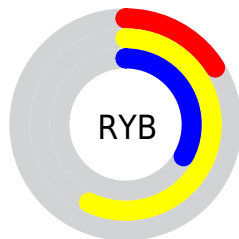
Distribution



Red (41%)

Green (57%)

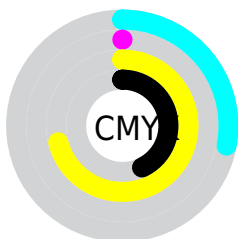
Blue (16%)



Red (16%)

Yellow (57%)

Blue (33%)

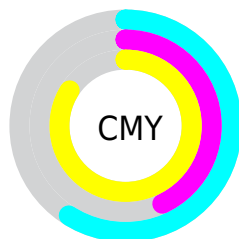


Cyan (28%)

Magenta (0%)

Yellow (71%)

Black (43%)



Cyan (59%)

Magenta (43%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2522, 23.3610, 5.8430 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 16.2522, 23.3610, 5.8430 by changing the saturation by 10% instead.

■ 16.2522, 23.3610,
5.8430

■ 16.2522, 23.3610,
5.8430

224.0666,
269.5738, 166.9188

■ 9.7948, 14.8603,
2.6826

■ 36.5894, 48.9854,
18.0762

■ 5.3243, 8.7214,
0.9347

■ 51.1999, 66.8779,
27.9860

■ 2.4755, 4.5599,
0.0000

■ 69.2588, 88.6698,
40.9827

■ 0.8829, 1.9914,
0.0000

■ 91.1314, 114.7454,
57.4849

■ 0.0000, 0.6025,
0.0000

■ 117.1832,
145.4893, 77.9111

■ 0.0000, 0.0000,
0.0000

■ 147.7794,

181.2857, 102.6797

183.2854,
222.5191, 132.2095

■ 16.2522, 23.3610,
5.8430

■ 16.2522, 23.3610,
5.8430

■ 15.3911, 22.9426,
4.6848

■ 17.2542, 23.8427,
7.4990

■ 14.6577, 22.5797,
3.9666

■ 18.4054, 24.3887,
9.6993

■ 14.0824, 22.2915,
3.5605

■ 19.7154, 25.0036,
12.4868

■ 21.1921, 25.6909,
15.8996

■ 22.8431, 26.4536,
19.9728

■ 24.6752, 27.2945,
24.7385

■ 26.6951, 28.2164,
30.2272

■ 28.9087, 29.2217,
36.4671

■ 31.3220, 30.3130,
43.4852

Harmonies

Analogous

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



21.6727, 23.3610, 4.0248



16.2522, 23.3610, 5.8430



13.0168, 23.3610, 12.4386

Triad

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



16.2522, 23.3610, 5.8430



17.0172, 23.3610, 70.9490



36.8213, 23.3610, 23.9331

Complementary

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



16.2522, 23.3610, 5.8430



9.5071, 5.5399, 27.3576

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.



34.9334, 23.3610, 45.3030



16.2522, 23.3610, 5.8430



22.7438, 23.3610, 79.0182

Square

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



16.2522, 23.3610, 5.8430



13.3956, 23.3610, 49.3193



29.4558, 23.3610, 67.9531



34.2140, 23.3610, 10.8616

Rectangle

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



16.2522, 23.3610, 5.8430



12.1418, 23.3610, 21.1314



29.4558, 23.3610, 67.9531



36.6913, 23.3610, 30.2891

Sweetspot

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



16.2527, 23.3620, 5.8435



40.7807, 47.3142, 35.4475



15.0743, 12.1447, 3.7404



8.9063, 10.4491, 7.4688



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.



16.2527, 23.3620, 5.8435



26.7816, 40.7001, 7.5622



12.0663, 21.2038, 5.6476



5.6346, 6.1797, 5.7852



12.1081, 19.1346, 3.0552



0.1407, 0.1958, 0.0304

Inverse Universe

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



9.5071, 5.5399, 27.3576



14.0047, 6.7896, 48.5459



15.6099, 8.6861, 27.6432



5.3201, 5.3532, 6.7816



5.8945, 2.5323, 23.1552



0.0800, 0.0364, 0.2225

Previews

White Background



This preview shows how the XYZ color 16.2522, 23.3610, 5.8430 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 16.2522, 23.3610, 5.8430 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 16.2522, 23.3610, 5.8430

Background



This preview shows how black text looks on a background with the XYZ color 16.2522, 23.3610, 5.8430.



This preview shows how white text looks on a background with the XYZ color 16.2522, 23.3610,

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

16.2522, 23.3610, 5.8430

Protanopia

20.9665, 23.2174, 5.2958

Deuteranopia

23.5323, 23.1428, 6.1325



Tritanopia

21.1884, 23.1852, 30.5526

Trichromacy



Original Color

16.2522, 23.3610, 5.8430

Protanomaly

18.8444, 22.9501, 5.4441

Deuteranomaly

20.2084, 22.8120, 5.9228

Tritanomaly

18.6215, 22.9927, 17.6439

Monochromacy



Original Color

16.2522, 23.3610, 5.8430

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.9846, 20.3828, 13.1643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2522, 23.3610, 5.8430 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(104, 145, 42)` looks like.

```
.text, #text, p{  
    color:rgb(104, 145, 42)  
}
```

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(104, 145, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 145, 42) }
```

Border

The CSS property to change the border of an element to XYZ 16.2522, 23.3610, 5.8430 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(104, 145, 42) }
```


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

```
.border{ border-color:rgb(104, 145, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 145, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 145, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 145, 42);  
box-shadow:4px 4px 4px 4px rgb(104, 145,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2522, 23.3610, 5.8430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 145, 42) }
```

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

```
.background{ background-color: rgb(104,  
145, 42) }
```

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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