

Converting Colors

XYZ(15.8787, 23.7687, 12.1385)

Have a look what the booklet for
XYZ(15.8787, 23.7687, 12.1385)
contains.

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Color

**XYZ(15.8463, 23.7047,
12.1278)**

Conversions

Conversions Part 1

Format	Color
Hex	549454
RGB	84, 148, 84
RGB Percent	33%, 58%, 33%
CMY	0.6706, 0.4196, 0.6706
CMYK	0.43, 0.00, 0.43, 0.42
HSL	120°, 28%, 45%
HSV	120°, 43%, 58%
XYZ	15.8463, 23.7047, 12.1278
YIQ	121.5680, -17.6000, -33.4720

Conversions

Conversions Part 2

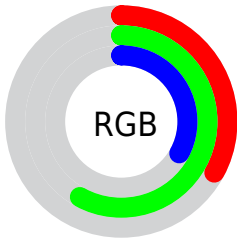
Format	Color
R_{YB}	84, 148, 148
Decimal	5542996
CIE _{Lab}	55.79, -34.25, 27.55
CIE _{LCh}	56, 43.957, 141.191
Yxy	23.7047, 0.3066, 0.4587
Android (android.graphics.Color)	4283733076 (0xFF549454)
YUV	121.5680, -18.5210, -32.9471
Hunter-Lab	48.6875, -27.1067, 19.3124

Details

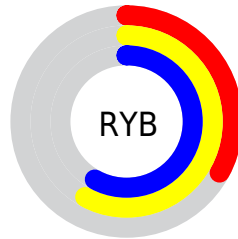
The XYZ color **15.8463, 23.7047, 12.1278** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.7291, 14.7751, 29.7771**, and the grayscale version is **18.4209, 19.3802, 21.1051**.

A 20% lighter version of the original color is **35.9755, 49.7515, 30.2611**, and **5.1737, 8.9743, 3.2098** is the 20% darker color. If you saturate the color by 10%, you get **14.1393, 22.8855, 9.3352**, and if you desaturate by 10%, it is **17.9569, 24.7192, 15.5797**.

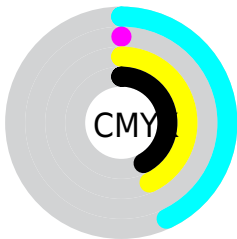
Distribution



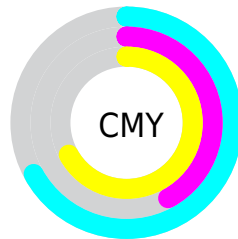
- Red (33%)
- Green (58%)
- Blue (33%)



- Red (33%)
- Yellow (58%)
- Blue (33%)



- Cyan (43%)
- Magenta (0%)
- Yellow (43%)
- Black (42%)



- Cyan (67%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8463, 23.7047, 12.1278 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 15.8463, 23.7047, 12.1278 by changing the saturation by 10% instead.

■ 15.8463, 23.7047,
12.1278

■ 15.8463, 23.7047,
12.1278

221.7213,
271.3241, 216.2574

■ 9.5056, 15.1147,
6.7072

■ 35.8908, 49.5479,
30.3955

■ 5.1322, 8.8999,
3.2040

■ 50.3253, 67.5699,
44.0797

■ 2.3606, 4.6760,
1.1997

■ 68.1884, 89.5046,
61.3555

■ 0.8254, 2.0584,
0.0000

■ 89.8456, 115.7366,
82.6414

■ 0.0000, 0.6411,
0.0000

■ 115.6621,
146.6501, 108.3560

■ 0.0000, 0.0000,
0.0000

146.0033,

182.6296, 138.9179

181.2346,
224.0595, 174.7455

■ 15.8463, 23.7047,
12.1278

■ 15.8463, 23.7047,
12.1278

■ 14.1393, 22.8855,
9.3352

■ 17.9569, 24.7192,
15.5797

■ 12.8086, 22.2462,
7.1586

■ 20.4927, 25.9373,
19.7274

■ 11.8262, 21.7744,
5.5517


■ 23.4758, 27.3702,
24.6068


■ 11.1597, 21.4542,
4.4614


■ 26.9263, 29.0277,
30.2507


■ 10.7703, 21.2672,
3.8245


■ 30.8631, 30.9187,
36.6900

 10.5904, 21.1807,
3.5302

 35.3040, 33.0519,
43.9538

 40.2659, 35.4354,
52.0699

 45.7651, 38.0769,
61.0646

 51.8169, 40.9839,
70.9633

Harmonies

Analogous

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



19.2350, 23.7047, 7.7241



15.8463, 23.7047, 12.1278



14.3119, 23.7047, 21.8243

Triad

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



15.8463, 23.7047, 12.1278



21.0920, 23.7047, 63.6362



32.7209, 23.7047, 17.0917

Complementary

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



15.8463, 23.7047, 12.1278



20.7291, 14.7751, 29.7771

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.



33.4132, 23.7047, 30.2545



15.8463, 23.7047, 12.1278



26.1827, 23.7047, 60.8754

Square

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



15.8463, 23.7047, 12.1278



17.0329, 23.7047, 53.7149



30.8713, 23.7047, 47.1643



29.0997, 23.7047, 9.7654

Rectangle

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



15.8463, 23.7047, 12.1278



14.3632, 23.7047, 31.5237



30.8713, 23.7047, 47.1643



33.3231, 23.7047, 20.8328

Sweetspot

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



15.8469, 23.7057, 12.1283



41.4112, 48.2871, 43.4010



24.4039, 28.1170, 12.5286



9.1929, 10.8978, 9.4817



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.



15.8469, 23.7057, 12.1283



25.0022, 40.4050, 16.5610



17.3991, 24.3266, 20.3020



5.7296, 6.4684, 6.1870



9.0455, 18.0910, 3.0152



0.1107, 0.2214, 0.0369

Inverse Universe

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



20.7291, 14.7751, 29.7771



34.7900, 22.5010, 51.9431



18.5361, 13.8979, 18.2292



6.0353, 5.9092, 7.2922



14.9972, 7.2040, 24.5302



0.1836, 0.0882, 0.3002

Previews

White Background



This preview shows how the XYZ color 15.8463, 23.7047, 12.1278 looks on a white background.

Color Contrast Check

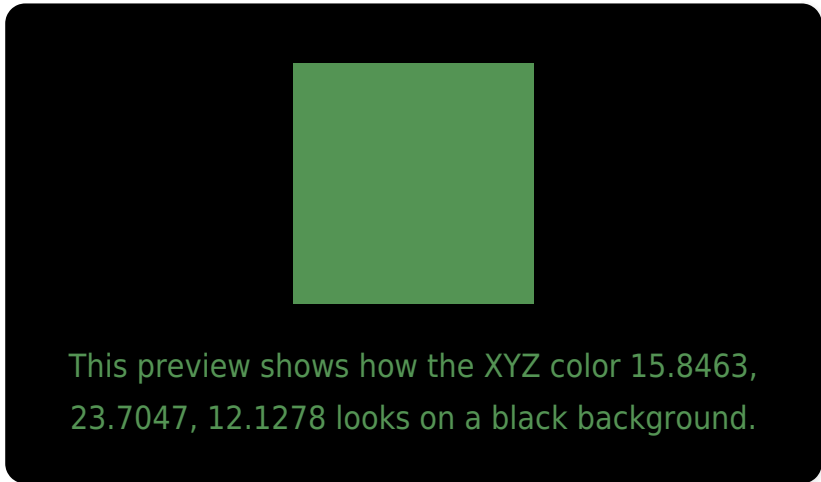
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 15.8463, 23.7047, 12.1278

Background



This preview shows how black text looks on a background with the XYZ color 15.8463, 23.7047, 12.1278.



This preview shows how white text looks on a background with the XYZ color 15.8463, 23.7047,

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

15.8463, 23.7047, 12.1278

Protanopia

21.6167, 23.4361, 10.5920

Deuteranopia

23.6906, 23.2709, 12.6943



Tritanopia

20.0010, 23.5872, 32.7768

Trichromacy



Original Color

15.8463, 23.7047, 12.1278

Protanomaly

18.7048, 22.9671, 11.0367

Deuteranomaly

19.9000, 22.9216, 12.3923

Tritanomaly

18.1674, 23.5044, 23.6579

Monochromacy



Original Color

15.8463, 23.7047, 12.1278

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.0074, 20.5035, 17.2485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8463, 23.7047, 12.1278 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(84, 148, 84)` looks like.

```
.text, #text, p{  
    color:rgb(84, 148, 84)  
}
```

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(84, 148, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 148, 84) }
```

Border

The CSS property to change the border of an element to XYZ 15.8463, 23.7047, 12.1278 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(84, 148, 84) }
```


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

```
.border{ border-color:rgb(84, 148, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 148, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 148, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 148, 84);  
box-shadow:4px 4px 4px 4px rgb(84, 148,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8463, 23.7047, 12.1278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 148, 84) }
```

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

```
.background{ background-color: rgb(84, 148,  
84) }
```

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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