

Converting Colors

XYZ(16.0459, 23.9124, 6.4581)

Have a look what the booklet for
XYZ(16.0459, 23.9124, 6.4581)
contains.

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Color

**XYZ(16.0328, 23.9264,
6.4626)**

Conversions

Conversions Part 1

Format	Color
Hex	61942F
RGB	97, 148, 47
RGB Percent	38%, 58%, 18%
CMY	0.6196, 0.4196, 0.8157
CMYK	0.34, 0.00, 0.68, 0.42
HSL	90°, 52%, 38%
HSV	90°, 68%, 58%
XYZ	16.0328, 23.9264, 6.4626
YIQ	121.2370, 2.0250, -42.2230

Conversions

Conversions Part 2

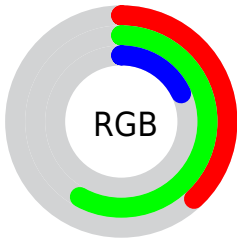
Format	Color
RYB	47, 148, 98
Decimal	6394927
CIELab	56.01, -34.14, 46.15
CIELCh	56, 57.403, 126.494
Yxy	23.9264, 0.3454, 0.5154
Android (android.graphics.Color)	4284585007 (0xFF61942F)
YUV	121.2370, -36.5988, -21.2558
Hunter-Lab	48.9146, -27.0934, 26.4068

Details

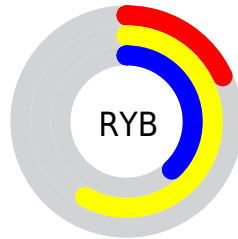
The XYZ color **16.0328, 23.9264, 6.4626** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.3999, 6.7685, 28.7239**, and the grayscale version is **18.3657, 19.3221, 21.0418**.

A 20% lighter version of the original color is **36.0876, 49.7022, 19.2467**, and **5.3134, 9.0849, 1.4735** is the 20% darker color. If you saturate the color by 10%, you get **15.0244, 23.4362, 5.1128**, and if you desaturate by 10%, it is **17.2187, 24.4979, 8.3503**.

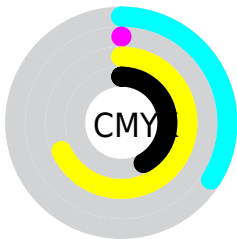
Distribution



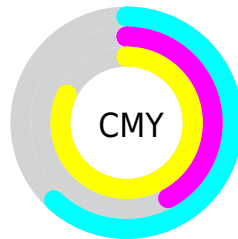
- Red (38%)
- Green (58%)
- Blue (18%)



- Red (18%)
- Yellow (58%)
- Blue (38%)



- Cyan (34%)
- Magenta (0%)
- Yellow (68%)
- Black (42%)





- Cyan (62%)
- Magenta (42%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0328, 23.9264, 6.4626 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 16.0328, 23.9264, 6.4626 by changing the saturation by 10% instead.


 16.0328, 23.9264,
6.4626

 16.0328, 23.9264,
6.4626


222.8018,
272.4482, 172.5784


 9.6384, 15.2790,
3.0551


 36.2121, 49.9101,
19.3778


 5.2203, 9.0155,
1.1228


 50.7277, 68.0152,
29.7225


 2.4132, 4.7513,
0.0000

 68.6811, 90.0416,
43.2166

 0.8517, 2.1021,
0.0000

 90.4376, 116.3738,
60.2788

 0.0000, 0.6658,
0.0000

 116.3625,
147.3962, 81.3275

 0.0000, 0.0000,
0.0000

 146.8213,

183.4931, 106.7813

182.1793,
225.0490, 137.0588

■ 16.0328, 23.9264,
6.4626

■ 16.0328, 23.9264,
6.4626

■ 15.0244, 23.4362,
5.1128

■ 17.2187, 24.4979,
8.3503

■ 14.1790, 23.0187,
4.2427

■ 18.5915, 25.1524,
10.8232

■ 13.4735, 22.6654,
3.7395

■ 20.1620, 25.8950,
13.9248

■ 13.3581, 22.6076,
3.6597

■ 21.9395, 26.7297,
17.6946

■ 23.9324, 27.6601,
22.1684

■ 26.1490, 28.6898,
27.3796

■ 28.5967, 29.8218,
33.3595

■ 31.2829, 31.0593,
40.1377

■ 34.2142, 32.4052,
47.7419

Harmonies

Analogous

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



21.3440, 23.9264, 4.1170



16.0328, 23.9264, 6.4626



13.0228, 23.9264, 14.1345

Triad

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



16.0328, 23.9264, 6.4626



18.0713, 23.9264, 75.2189



37.7212, 23.9264, 22.1751

Complementary

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



16.0328, 23.9264, 6.4626



11.3999, 6.7685, 28.7239

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.



36.3838, 23.9264, 43.2838



16.0328, 23.9264, 6.4626



24.1983, 23.9264, 80.9689

Square

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



16.0328, 23.9264, 6.4626



14.0318, 23.9264, 53.9917



31.1004, 23.9264, 67.2331



34.4666, 23.9264, 9.9294

Rectangle

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



16.0328, 23.9264, 6.4626



12.3298, 23.9264, 23.9041



31.1004, 23.9264, 67.2331



37.8016, 23.9264, 28.3244

Sweetspot

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



16.0334, 23.9274, 6.4631



41.4340, 48.4339, 37.3019



17.0478, 15.1442, 4.7143



9.2500, 10.9592, 8.0437



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.



16.0334, 23.9274, 6.4631



25.6696, 40.9372, 8.0945



12.2760, 21.9905, 6.2873



5.9866, 6.6009, 6.1990



11.4409, 19.3259, 3.1273



0.1739, 0.2540, 0.0399

Inverse Universe

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



11.3999, 6.7685, 28.7239



16.9056, 8.4930, 50.1829



18.5755, 10.4677, 29.0597



5.7619, 5.7682, 7.2794



7.0582, 3.1112, 24.1595



0.1204, 0.0556, 0.2973

Previews

White Background



This preview shows how the XYZ color 16.0328, 23.9264, 6.4626 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 16.0328, 23.9264, 6.4626 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 16.0328, 23.9264, 6.4626

Background



This preview shows how black text looks on a background with the XYZ color 16.0328, 23.9264, 6.4626.



This preview shows how white text looks on a background with the XYZ color 16.0328, 23.9264,

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

16.0328, 23.9264, 6.4626

Protanopia

21.5388, 23.7086, 5.7265

Deuteranopia

23.9811, 23.5521, 6.7721



Tritanopia

21.0688, 23.7264, 31.9030

Trichromacy



Original Color

16.0328, 23.9264, 6.4626

Protanomaly

19.0473, 23.4724, 5.9096

Deuteranomaly

20.2460, 23.2297, 6.5487

Tritanomaly

18.5415, 23.5800, 18.9034

Monochromacy



Original Color

16.0328, 23.9264, 6.4626

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.8188, 20.4855, 13.6573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0328, 23.9264, 6.4626 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(97, 148, 47)` looks like.

```
.text, #text, p{  
    color:rgb(97, 148, 47)  
}
```

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(97, 148, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 148, 47) }
```

Border

The CSS property to change the border of an element to XYZ 16.0328, 23.9264, 6.4626 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(97, 148, 47) }
```


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

```
.border{ border-color:rgb(97, 148, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 148, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 148, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 148, 47);  
box-shadow:4px 4px 4px 4px rgb(97, 148,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0328, 23.9264, 6.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 148, 47) }
```

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

```
.background{ background-color: rgb(97, 148,  
47) }
```

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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