

Converting Colors

XYZ(15.6519, 24.9789, 3.9965)

Have a look what the booklet for
XYZ(15.6519, 24.9789, 3.9965)
contains.

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Color

**XYZ(15.6077, 24.9561,
3.9944)**

Conversions

Conversions Part 1

Format	Color
Hex	5A9900
RGB	90, 153, 0
RGB Percent	35%, 60%, 0%
CMY	0.6471, 0.4000, 1.0000
CMYK	0.41, 0.00, 1.00, 0.40
HSL	85°, 100%, 30%
HSV	85°, 100%, 60%
XYZ	15.6077, 24.9561, 3.9944
YIQ	116.7210, 11.5650, -60.9390

Conversions

Conversions Part 2

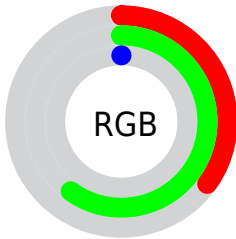
Format	Color
RYB	0, 153, 63
Decimal	5937408
CIELab	57.03, -40.99, 59.46
CIELCh	57, 72.224, 124.582
Yxy	24.9561, 0.3503, 0.5601
Android (android.graphics.Color)	4284127488 (0xFF5A9900)
YUV	116.7210, -57.5435, -23.4343
Hunter-Lab	49.9561, -31.6547, 30.2285

Details

The XYZ color **15.6077, 24.9561, 3.9944** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.8011, 3.3576, 30.3753**, and the grayscale version is **16.9931, 17.8780, 19.4692**.

A 20% lighter version of the original color is **35.5473, 51.6777, 14.0625**, and **5.2493, 9.6144, 1.5791** is the 20% darker color. If you saturate the color by 10%, you get **15.6077, 24.9569, 3.9946**, and if you desaturate by 10%, it is **16.3358, 25.3220, 4.4904**.

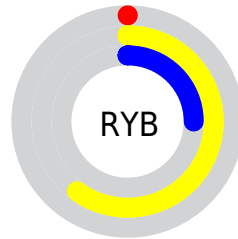
Distribution



Red (35%)

Green (60%)

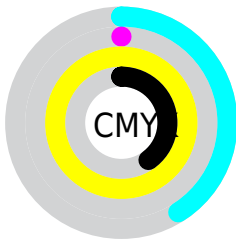
Blue (0%)



Red (0%)

Yellow (60%)

Blue (25%)

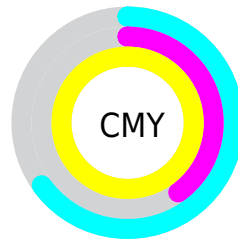


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (65%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6077, 24.9561, 3.9944 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 15.6077, 24.9561, 3.9944 by changing the saturation by 10% instead.

■ 15.6077, 24.9561,
3.9944

■ 15.6077, 24.9561,
3.9944

220.3318,
277.6192, 148.1631

■ 9.3361, 16.0444,
1.6223

■ 35.4788, 51.5860,
13.9968

■ 5.0199, 9.5555,
0.3066

■ 49.8089, 70.0729,
22.4642

■ 2.2938, 5.1053,
0.0000

■ 67.5560, 92.5204,
33.8005

■ 0.7915, 2.3092,
0.0000

■ 89.0852, 119.3128,
48.4241


■ 0.0000, 0.7786,
0.0000


■ 114.7621,
150.8344, 66.7536


■ 0.0000, 0.0000,
0.0000


■ 144.9519,


187.4698, 89.2076


 180.0200,
229.6033, 116.2046


 15.6077, 24.9561,
3.9944


 15.6077, 24.9561,
3.9944


 15.6077, 24.9569,
3.9946

 16.3358, 25.3220,
4.4904

 17.1819, 25.7405,
5.3326

 18.1779, 26.2251,
6.6797

 19.3368, 26.7814,
8.5953

 20.6702, 27.4140,
11.1336

■ 22.1882, 28.1271,
14.3424

■ 23.9000, 28.9245,
18.2650

■ 25.8143, 29.8098,
22.9408

■ 27.9389, 30.7863,
28.4067

Harmonies

Analogous

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



22.4395, 24.9561, 2.1342



15.6077, 24.9561, 3.9944



11.8186, 24.9561, 11.6391

Triad

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



15.6077, 24.9561, 3.9944



17.3799, 24.9561, 95.0613



43.9999, 24.9561, 23.6061

Complementary

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



15.6077, 24.9561, 3.9944



7.8011, 3.3576, 30.3753

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.



41.7329, 24.9561, 52.5885



15.6077, 24.9561, 3.9944



25.0484, 24.9561, 105.5082

Square

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



15.6077, 24.9561, 3.9944



12.6574, 24.9561, 63.2896



34.2458, 24.9561, 86.7103



39.8608, 24.9561, 8.3363

Rectangle

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



15.6077, 24.9561, 3.9944



10.8963, 24.9561, 22.9929



34.2458, 24.9561, 86.7103



43.9686, 24.9561, 31.8312

Sweetspot

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



15.6083, 24.9572, 3.9949



42.6060, 51.7080, 32.2494



14.8174, 10.1325, 1.1752



9.1397, 11.2929, 6.4962



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.6083, 24.9572, 3.9949



27.7353, 44.5821, 7.1434



11.5939, 22.8877, 3.8071



6.4628, 7.0960, 6.6349



12.9374, 20.6454, 3.3031



0.2346, 0.3299, 0.0513

Inverse Universe

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



7.8011, 3.3576, 30.3753



13.7690, 5.9086, 54.3868



16.1825, 7.6784, 30.7675



6.1134, 6.1443, 7.7927



6.4829, 2.7931, 25.1051



0.1368, 0.0623, 0.3772

Previews

White Background



This preview shows how the XYZ color 15.6077, 24.9561, 3.9944 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 15.6077, 24.9561, 3.9944 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 15.6077, 24.9561, 3.9944

Background



This preview shows how black text looks on a background with the XYZ color 15.6077, 24.9561, 3.9944.



This preview shows how white text looks on a background with the XYZ color 15.6077, 24.9561,

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

15.6077, 24.9561, 3.9944

Protanopia

22.2721, 24.7613, 3.6056

Deuteranopia

25.0979, 24.5649, 4.6470



Tritanopia

21.6901, 24.8672, 34.2285

Trichromacy



Original Color

15.6077, 24.9561, 3.9944

Protanomaly

19.1825, 24.4702, 3.7122

Deuteranomaly

20.3614, 23.9748, 4.1705

Tritanomaly

17.8503, 24.2063, 15.2867

Monochromacy



Original Color

15.6077, 24.9561, 3.9944

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.2821, 19.5855, 9.4535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6077, 24.9561, 3.9944 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(90, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 153, 0)  
}
```

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(90, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.6077, 24.9561, 3.9944 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(90, 153, 0) }
```


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

```
.border{ border-color:rgb(90, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(90, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6077, 24.9561, 3.9944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 153, 0) }
```

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

```
.background{ background-color: rgb(90, 153,  
0) }
```

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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