

Converting Colors

XYZ(24.4314, 34.9813, 7.7150)

Have a look what the booklet for
XYZ(24.4314, 34.9813, 7.7150)
contains.

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Color

**XYZ(24.4742, 35.0357,
7.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	80AE2B
RGB	128, 174, 43
RGB Percent	50%, 68%, 17%
CMY	0.4980, 0.3176, 0.8314
CMYK	0.26, 0.00, 0.75, 0.32
HSL	81°, 60%, 43%
HSV	81°, 75%, 68%
XYZ	24.4742, 35.0357, 7.7581
YIQ	145.3120, 14.6350, -50.4930

Conversions

Conversions Part 2

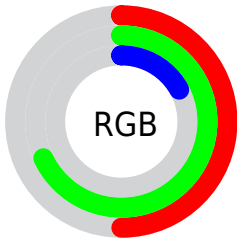
Format	Color
RYB	43, 174, 89
Decimal	8433195
CIELab	65.78, -34.39, 58.08
CIELCh	66, 67.496, 120.629
Yxy	35.0357, 0.3638, 0.5208
Android (android.graphics.Color)	4286623275 (0xFF80AE2B)
YUV	145.3120, -50.4398, -15.1826
Hunter-Lab	59.1910, -29.7782, 33.6626

Details

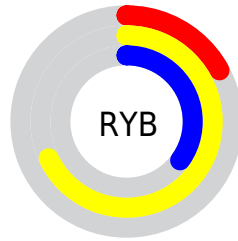
The XYZ color **24.4742, 35.0357, 7.7581** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **12.6251, 6.9085, 40.7145**, and the grayscale version is **27.2364, 28.6548, 31.2051**.

A 20% lighter version of the original color is **50.2686, 67.6658, 21.9666**, and **9.5850, 15.0912, 2.4077** is the 20% darker color. If you saturate the color by 10%, you get **23.3292, 34.4759, 6.3792**, and if you desaturate by 10%, it is **25.8123, 35.6816, 9.8581**.

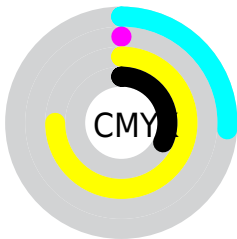
Distribution



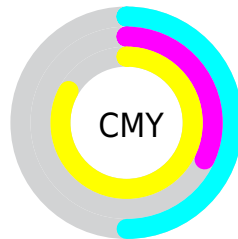
- Red (50%)
- Green (68%)
- Blue (17%)



- Red (17%)
- Yellow (68%)
- Blue (35%)



- Cyan (26%)
- Magenta (0%)
- Yellow (75%)
- Black (32%)



- Cyan (50%)
- Magenta (32%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4742, 35.0357, 7.7581 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 24.4742, 35.0357, 7.7581 by changing the saturation by 10% instead.

■ 24.4742, 35.0357,
7.7581

■ 24.4742, 35.0357,
7.7581

267.6054,
324.7259, 183.6853

■ 15.8124, 23.6904,
3.8550

■ 50.2520, 67.5411,
22.0211

■ 9.4815, 15.1041,
1.5461

■ 68.0987, 89.4699,
33.2181

■ 5.1162, 8.8925,
0.2520

■ 89.7377, 115.6954,
47.6836

■ 2.3510, 4.6711,
0.0000

■ 115.5344,
146.6018, 65.8359

■ 0.8206, 2.0556,
0.0000

■ 145.8542,
182.5737, 88.0937

■ 0.0000, 0.6395,
0.0000

■ 181.0624,

■ 0.0000, 0.0000,

223.9955, 114.8755

0.0000

221.5243,
271.2514, 146.5999

■ 24.4742, 35.0357,
7.7581

■ 24.4742, 35.0357,
7.7581

■ 23.3292, 34.4759,
6.3792

■ 25.8123, 35.6816,
9.8581

■ 22.3548, 33.9894,
5.6180

■ 27.3575, 36.4156,
12.7582

■ 21.9337, 33.7775,
5.3637

■ 29.1249, 37.2450,
16.5296

■ 31.1272, 38.1752,
21.2348

■ 33.3761, 39.2108,
26.9308

■ 35.8825, 40.3563,
33.6699

■ 38.6563, 41.6158,
41.5007

■ 41.7071, 42.9932,
50.4690

■ 45.0438, 44.4922,
60.6176

Harmonies

Analogous

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



33.0910, 35.0357, 5.4046



24.4742, 35.0357, 7.7581



19.2567, 35.0357, 17.0923

Triad

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



24.4742, 35.0357, 7.7581



24.7714, 35.0357, 108.5797



56.3255, 35.0357, 37.5501

Complementary

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



24.4742, 35.0357, 7.7581



12.6251, 6.9085, 40.7145

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.



52.9078, 35.0357, 71.8219



24.4742, 35.0357, 7.7581



33.5107, 35.0357, 123.3393

Square

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



24.4742, 35.0357, 7.7581



19.4028, 35.0357, 73.4209



44.0282, 35.0357, 107.3770



52.6226, 35.0357, 16.4900

Rectangle

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



24.4742, 35.0357, 7.7581



17.7673, 35.0357, 29.9042



44.0282, 35.0357, 107.3770



55.9654, 35.0357, 47.7825

Sweetspot

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



24.4750, 35.0373, 7.7589



61.3557, 71.4960, 50.9959



21.4528, 16.2941, 4.3003



13.2962, 15.7344, 10.4432



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.4750, 35.0373, 7.7589



41.1669, 61.9618, 10.5848



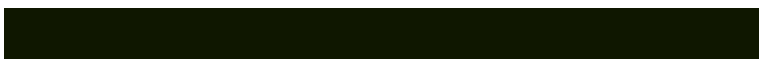
17.6008, 31.4935, 7.4371



8.3856, 9.1873, 8.5447



15.9739, 24.5319, 3.8932



0.5006, 0.7114, 0.1109

Inverse Universe

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



12.6251, 6.9085, 40.7145



18.8184, 8.5462, 73.2946



21.8983, 11.6891, 41.1484



7.8343, 7.8889, 10.0625



7.0009, 2.9689, 29.2486



0.2550, 0.1137, 0.8165

Previews

White Background



This preview shows how the XYZ color 24.4742, 35.0357, 7.7581 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.4742, 35.0357, 7.7581 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4742, 35.0357, 7.7581

Background



This preview shows how black text looks on a background with the XYZ color 24.4742, 35.0357, 7.7581.



This preview shows how white text looks on a background with the XYZ color 24.4742, 35.0357,

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

24.4742, 35.0357, 7.7581

Protanopia

31.5274, 34.8718, 6.9887

Deuteranopia

35.2624, 34.5324, 8.1750



Tritanopia

31.9859, 34.7754, 45.5839

Trichromacy



Original Color

24.4742, 35.0357, 7.7581

Protanomaly

28.3353, 34.5371, 7.1804

Deuteranomaly

30.1861, 33.9023, 7.8585

Tritanomaly

27.9482, 34.2080, 25.2085

Monochromacy



Original Color

24.4742, 35.0357, 7.7581

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.2427, 30.3486, 18.7148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4742, 35.0357, 7.7581 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(128, 174, 43)` looks like.

```
.text, #text, p{  
    color:rgb(128, 174, 43)  
}
```

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(128, 174, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 174, 43) }
```

Border

The CSS property to change the border of an element to XYZ 24.4742, 35.0357, 7.7581 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(128, 174, 43) }
```


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

```
.border{ border-color:rgb(128, 174, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 174, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 174, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 174, 43);  
box-shadow:4px 4px 4px 4px rgb(128, 174,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4742, 35.0357, 7.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 174, 43) }
```

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

```
.background{ background-color: rgb(128,  
174, 43) }
```

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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