

Converting Colors

XYZ(24.1696, 34.5886, 7.8850)

Have a look what the booklet for
XYZ(24.1696, 34.5886, 7.8850)
contains.

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Color

**XYZ(24.1696, 34.5886,
7.8850)**

Conversions

Conversions Part 1

Format	Color
Hex	7FAD2D
RGB	127, 173, 45
RGB Percent	50%, 68%, 18%
CMY	0.5020, 0.3216, 0.8235
CMYK	0.27, 0.00, 0.74, 0.32
HSL	82°, 59%, 43%
HSV	82°, 74%, 68%
XYZ	24.1696, 34.5886, 7.8850
YIQ	144.6540, 13.6720, -49.5600

Conversions

Conversions Part 2

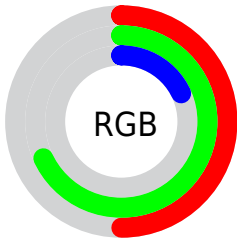
Format	Color
RYB	45, 173, 91
Decimal	8367405
CIELab	65.43, -34.21, 57.03
CIELCh	65, 66.500, 120.956
Yxy	34.5886, 0.3627, 0.5190
Android (android.graphics.Color)	4286557485 (0xFF7FAD2D)
YUV	144.6540, -49.1294, -15.4826
Hunter-Lab	58.8121, -29.5642, 33.2194

Details

The XYZ color **24.1696, 34.5886, 7.8850** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **12.7970, 7.1190, 40.2368**, and the grayscale version is **26.9632, 28.3673, 30.8920**.

A 20% lighter version of the original color is **49.8480, 67.0260, 22.3666**, and **9.4641, 14.8494, 2.3674** is the 20% darker color. If you saturate the color by 10%, you get **23.0050, 34.0203, 6.4342**, and if you desaturate by 10%, it is **25.5295, 35.2441, 10.0587**.

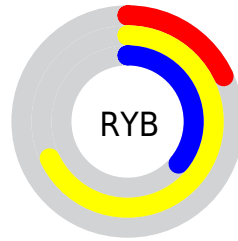
Distribution



Red (50%)

Green (68%)

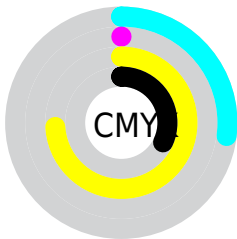
Blue (18%)



Red (18%)

Yellow (68%)

Blue (36%)

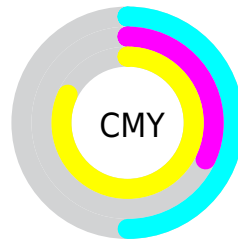


Cyan (27%)

Magenta (0%)

Yellow (74%)

Black (32%)



Cyan (50%)


Magenta (32%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1696, 34.5886, 7.8850 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 24.1696, 34.5886, 7.8850 by changing the saturation by 10% instead.


 24.1696, 34.5886,
7.8850


 24.1696, 34.5886,
7.8850

266.1014,
322.7487, 184.7280


 15.5849, 23.3461,
3.9347


 49.7595, 66.8480,
22.2751


 9.3199, 14.8493,
1.5896

 67.4954, 88.6336,
33.5521

 5.0092, 8.7137,
0.2834


 89.0124, 114.7025,
48.1083

 2.2875, 4.5549,
0.0000

 114.6758,
145.4390, 66.3624

 0.7882, 1.9886,
0.0000

 144.8511,
181.2274, 88.7329

 0.0000, 0.6008,
0.0000

 179.9036,

 0.0000, 0.0000,

222.4523, 115.6383

0.0000

220.1985,
269.4979, 147.4971

■ 24.1696, 34.5886,
7.8850

■ 24.1696, 34.5886,
7.8850

■ 23.0050, 34.0203,
6.4342

■ 25.5295, 35.2441,
10.0587

■ 22.0143, 33.5268,
5.6098

■ 27.0981, 35.9885,
13.0315

■ 21.4778, 33.2568,
5.2872

■ 28.8901, 36.8292,
16.8723

■ 30.9182, 37.7712,
21.6422

■ 33.1936, 38.8193,
27.3966

■ 35.7271, 39.9776,
34.1865

■ 38.5285, 41.2505,
42.0595

■ 41.6071, 42.6415,
51.0603

■ 44.9718, 44.1545,
61.2309

Harmonies

Analogous

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



32.5645, 34.5886, 5.4931



24.1696, 34.5886, 7.8850



19.0952, 34.5886, 17.1963

Triad

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



24.1696, 34.5886, 7.8850



24.6123, 34.5886, 106.4987



55.3227, 34.5886, 36.7749

Complementary

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



24.1696, 34.5886, 7.8850



12.7970, 7.1190, 40.2368

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.



52.0679, 34.5886, 70.0751



24.1696, 34.5886, 7.8850



33.1883, 34.5886, 120.5150

Square

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



24.1696, 34.5886, 7.8850



19.3132, 34.5886, 72.4419



43.4549, 34.5886, 104.7224



51.6452, 34.5886, 16.2951

Rectangle

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



24.1696, 34.5886, 7.8850



17.6587, 34.5886, 29.8597



43.4549, 34.5886, 104.7224



54.9984, 34.5886, 46.7152

Sweetspot

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



24.1704, 34.5901, 7.8857



60.1406, 69.8390, 50.8844



21.3479, 16.3535, 4.5145



12.8260, 15.0657, 10.4212



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.1704, 34.5901, 7.8857



40.0006, 60.3308, 10.4387



17.5457, 31.1750, 7.5757



8.3792, 9.1841, 8.5444



15.8419, 24.4639, 3.8870



0.4976, 0.7099, 0.1108

Inverse Universe

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



12.7970, 7.1190, 40.2368



18.7226, 8.5974, 71.4784



21.7709, 11.7452, 40.6567



7.8405, 7.8921, 10.0628



7.0666, 3.0028, 29.2517



0.2574, 0.1149, 0.8166

Previews

White Background



This preview shows how the XYZ color 24.1696, 34.5886, 7.8850 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 24.1696, 34.5886, 7.8850 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 24.1696, 34.5886, 7.8850

Background



This preview shows how black text looks on a background with the XYZ color 24.1696, 34.5886, 7.8850.



This preview shows how white text looks on a background with the XYZ color 24.1696, 34.5886,

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

24.1696, 34.5886, 7.8850

Protanopia

31.1585, 34.4213, 7.0996

Deuteranopia

34.8609, 34.0848, 8.2317



Tritanopia

31.5402, 34.2965, 45.0019

Trichromacy



Original Color

24.1696, 34.5886, 7.8850

Protanomaly

27.9915, 34.0890, 7.2950

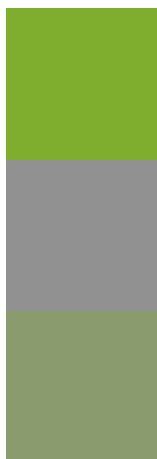
Deuteranomaly

29.8377, 33.4634, 8.0184

Tritanomaly

27.6024, 33.7609, 25.1404

Monochromacy



Original Color

24.1696, 34.5886, 7.8850

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

24.9629, 29.9501, 18.9333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1696, 34.5886, 7.8850 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(127, 173, 45)` looks like.

```
.text, #text, p{  
    color:rgb(127, 173, 45)  
}
```

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(127, 173, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 173, 45) }
```

Border

The CSS property to change the border of an element to XYZ 24.1696, 34.5886, 7.8850 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(127, 173, 45) }
```


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

```
.border{ border-color:rgb(127, 173, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 173, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 173, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 173, 45);  
box-shadow:4px 4px 4px 4px rgb(127, 173,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1696, 34.5886, 7.8850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 173, 45) }
```

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

```
.background{ background-color: rgb(127,  
173, 45) }
```

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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