

Converting Colors

XYZ(24.1684, 34.8292, 14.5017)

Have a look what the booklet for
XYZ(24.1684, 34.8292, 14.5017)
contains.

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Color

**XYZ(24.0588, 34.6732,
14.4414)**

Conversions

Conversions Part 1

Format	Color
Hex	74AE57
RGB	116, 174, 87
RGB Percent	45%, 68%, 34%
CMY	0.5451, 0.3176, 0.6588
CMYK	0.33, 0.00, 0.50, 0.32
HSL	100°, 35%, 51%
HSV	100°, 50%, 68%
XYZ	24.0588, 34.6732, 14.4414
YIQ	146.7400, -6.6410, -39.3530

Conversions

Conversions Part 2

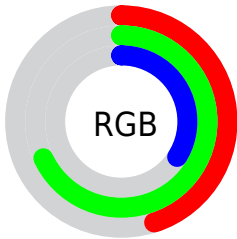
Format	Color
RYB	87, 174, 145
Decimal	7646807
CIELab	65.49, -34.98, 38.51
CIELCh	65, 52.024, 132.247
Yxy	34.6732, 0.3288, 0.4738
Android (android.graphics.Color)	4285836887 (0xFF74AE57)
YUV	146.7400, -29.4518, -26.9590
Hunter-Lab	58.8840, -30.1154, 26.6778

Details

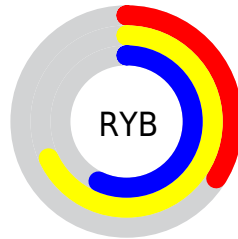
The XYZ color **24.0588, 34.6732, 14.4414** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **22.7268, 15.8932, 41.9161**, and the grayscale version is **27.7462, 29.1912, 31.7892**.

A 20% lighter version of the original color is **49.5346, 67.0038, 34.7484**, and **9.2371, 14.8714, 4.2174** is the 20% darker color. If you saturate the color by 10%, you get **21.9851, 33.6777, 11.0704**, and if you desaturate by 10%, it is **26.4981, 35.8395, 18.7254**.

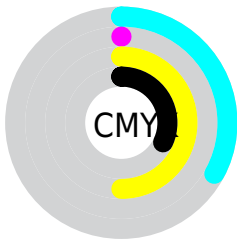
Distribution



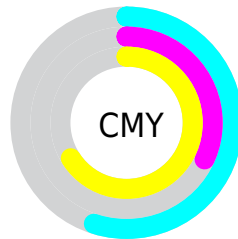
- Red (45%)
- Green (68%)
- Blue (34%)



- Red (34%)
- Yellow (68%)
- Blue (57%)



- Cyan (33%)
- Magenta (0%)
- Yellow (50%)
- Black (32%)




- Cyan (55%)
- Magenta (32%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0588, 34.6732, 14.4414 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 24.0588, 34.6732, 14.4414 by changing the saturation by 10% instead.


 24.0588, 34.6732,
14.4414


 24.0588, 34.6732,
14.4414


265.5526,
323.1235, 231.4829


 15.5022, 23.4112,
8.2861


 49.5801, 66.9792,
34.5985

 9.2612, 14.8975,
4.1881


 67.2756, 88.7920,
49.4374


 4.9704, 8.7475,
1.7291


 88.7480, 114.8906,
68.0079

 2.2645, 4.5768,
0.3806

 114.3628,
145.6593, 90.7284

 0.7764, 2.0012,
0.0000

 144.4853,
181.4826, 118.0177

 0.0000, 0.6082,
0.0000

179.4808,

 0.0000, 0.0000,

222.7448, 150.2942

0.0000

219.7148,
269.8303, 187.9764

■ 24.0588, 34.6732,
14.4414

■ 24.0588, 34.6732,
14.4414

■ 21.9851, 33.6777,
11.0704

■ 26.4981, 35.8395,
18.7254

■ 20.2550, 32.8399,
8.5439

■ 29.3186, 37.1801,
23.9797

■ 18.8475, 32.1518,
6.7872


■ 32.5377, 38.7040,
30.2598


■ 17.7379, 31.6024,
5.7119


■ 36.1711, 40.4180,
37.6163


■ 16.8815, 31.1729,
5.1273


■ 40.2336, 42.3288,
46.0963

 16.8814, 31.1729,
5.1272

 44.7391, 44.4426,
55.7443

 49.7011, 46.7654,
66.6022

 55.1322, 49.3029,
78.7100

 61.0446, 52.0605,
92.1057

Harmonies

Analogous

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



29.9462, 34.6732, 9.8119



24.0588, 34.6732, 14.4414



20.8849, 34.6732, 26.3559

Triad

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



24.0588, 34.6732, 14.4414



28.6897, 34.6732, 93.4312



49.4363, 34.6732, 29.5377

Complementary

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



24.0588, 34.6732, 14.4414



22.7268, 15.8932, 41.9161

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.



48.9609, 34.6732, 52.0376



24.0588, 34.6732, 14.4414



36.1607, 34.6732, 95.3515

Square

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



24.0588, 34.6732, 14.4414



23.2615, 34.6732, 73.5492



43.8135, 34.6732, 78.0819



45.0269, 34.6732, 15.9948

Rectangle

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



24.0588, 34.6732, 14.4414



20.3829, 34.6732, 39.4217



43.8135, 34.6732, 78.0819



49.8595, 34.6732, 36.1325

Sweetspot

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



24.0596, 34.6747, 14.4422



62.0422, 71.6302, 60.9540



29.3027, 29.9390, 13.2517



13.4914, 15.7799, 12.9468



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.



24.0596, 34.6747, 14.4422



39.5146, 60.9105, 19.5221



21.4411, 33.2493, 17.7291



8.1466, 9.0642, 8.5336



12.3009, 22.6384, 3.7213



0.4012, 0.6602, 0.1063

Inverse Universe

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



22.7268, 15.8932, 41.9161



36.7691, 22.8800, 75.1152



27.1666, 18.3366, 35.1379



8.0738, 8.0123, 10.0737



10.8306, 4.9433, 29.4278



0.3561, 0.1658, 0.8212

Previews

White Background



This preview shows how the XYZ color 24.0588, 34.6732, 14.4414 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 24.0588, 34.6732, 14.4414 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 24.0588, 34.6732, 14.4414

Background



This preview shows how black text looks on a background with the XYZ color 24.0588, 34.6732, 14.4414.



This preview shows how white text looks on a background with the XYZ color 24.0588, 34.6732,

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

24.0588, 34.6732, 14.4414

Protanopia

31.4290, 34.1769, 12.9230

Deuteranopia

35.0347, 34.2610, 15.1224



Tritanopia

30.5713, 34.5505, 46.6526

Trichromacy



Original Color

24.0588, 34.6732, 14.4414

Protanomaly

28.2021, 34.0610, 13.4755

Deuteranomaly

29.8035, 33.5509, 14.8027

Tritanomaly

27.6409, 34.4545, 31.5791

Monochromacy



Original Color

24.0588, 34.6732, 14.4414

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

25.9120, 30.8289, 23.9869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0588, 34.6732, 14.4414 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(116, 174, 87)` looks like.

```
.text, #text, p{  
    color:rgb(116, 174, 87)  
}
```

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(116, 174, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 174, 87) }
```

Border

The CSS property to change the border of an element to XYZ 24.0588, 34.6732, 14.4414 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(116, 174, 87) }
```


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

```
.border{ border-color:rgb(116, 174, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 174, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 174, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 174, 87);  
box-shadow:4px 4px 4px 4px rgb(116, 174,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0588, 34.6732, 14.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 174, 87) }
```

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

```
.background{ background-color: rgb(116,  
174, 87) }
```

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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