

Converting Colors

XYZ(24.5449, 37.5942, 14.0968)

Have a look what the booklet for
XYZ(24.5449, 37.5942, 14.0968)
contains.

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Color

**XYZ(24.5582, 37.6173,
14.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	6BB753
RGB	107, 183, 83
RGB Percent	42%, 72%, 33%
CMY	0.5804, 0.2823, 0.6745
CMYK	0.42, 0.00, 0.55, 0.28
HSL	106°, 41%, 52%
HSV	106°, 55%, 72%
XYZ	24.5582, 37.6173, 14.1501
YIQ	148.8760, -13.1960, -47.2120

Conversions

Conversions Part 2

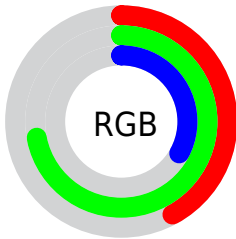
Format	Color
RYB	83, 183, 159
Decimal	7059283
CIELab	67.74, -42.48, 43.07
CIELCh	68, 60.493, 134.603
Yxy	37.6173, 0.3218, 0.4929
Android (android.graphics.Color)	4285249363 (0xFF6BB753)
YUV	148.8760, -32.4769, -36.7253
Hunter-Lab	61.3329, -35.8598, 29.2543

Details

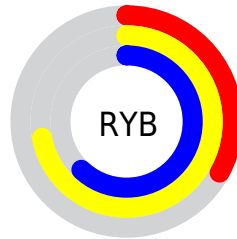
The XYZ color **24.5582, 37.6173, 14.1501** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.9404, 16.9776, 46.7116**, and the grayscale version is **28.6519, 30.1441, 32.8269**.

A 20% lighter version of the original color is **50.4336, 71.7508, 34.1128**, and **9.4762, 16.5086, 4.0535** is the 20% darker color. If you saturate the color by 10%, you get **22.4032, 36.5787, 10.8355**, and if you desaturate by 10%, it is **27.1705, 38.8724, 18.4610**.

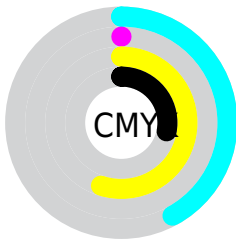
Distribution



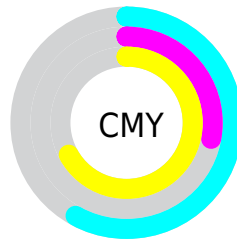
- Red (42%)
- Green (72%)
- Blue (33%)



- Red (33%)
- Yellow (72%)
- Blue (62%)



- Cyan (42%)
- Magenta (0%)
- Yellow (55%)
- Black (28%)



- Cyan (58%)
- Magenta (28%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5582, 37.6173, 14.1501 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 24.5582, 37.6173, 14.1501 by changing the saturation by 10% instead.

■ 24.5582, 37.6173,
14.1501

■ 24.5582, 37.6173,
14.1501

268.0189,
335.9754, 229.6234

■ 15.8752, 25.6858,
8.0852

■ 50.3877, 71.5212,
34.0761

■ 9.5262, 16.5887,
4.0610

■ 68.2648, 94.2623,
48.7742

■ 5.1458, 9.9417,
1.6588

■ 89.9374, 121.3755,
67.1872

■ 2.3687, 5.3603,
0.3323

■ 115.7707,
153.2451, 89.7335

■ 0.8295, 2.4602,
0.0000

■ 146.1302,
190.2555, 116.8318

■ 0.0000, 0.8566,
0.0000

181.3811,

■ 0.0000, 0.0000,

232.7911, 148.9005

0.0000

221.8889,
281.2363, 186.3582

■ 24.5582, 37.6173,
14.1501

■ 24.5582, 37.6173,
14.1501

■ 22.4032, 36.5787,
10.8355

■ 27.1705, 38.8724,
18.4610

■ 20.6750, 35.7391,
8.4351

■ 30.2628, 40.3508,
23.8368

■ 19.3432, 35.0860,
6.8578

■ 33.8593, 42.0646,
30.3430

■ 18.3717, 34.6033,
5.9923

■ 37.9820, 44.0238,
38.0388

■ 17.9693, 34.4021,
5.6932

■ 42.6513, 46.2379,
46.9796

■ 47.8867, 48.7156,
57.2172

■ 53.7065, 51.4655,
68.8005

■ 60.1283, 54.4955,
81.7757

■ 67.1689, 57.8134,
96.1870

Harmonies

Analogous

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



31.4107, 37.6173, 8.6077



24.5582, 37.6173, 14.1501



21.0720, 37.6173, 28.7534

Triad

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



24.5582, 37.6173, 14.1501



31.1903, 37.6173, 113.3469



56.1244, 37.6173, 29.3017

Complementary

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



24.5582, 37.6173, 14.1501



25.9404, 16.9776, 46.7116

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.



56.0373, 37.6173, 56.2058



24.5582, 37.6173, 14.1501



40.4806, 37.6173, 113.7116

Square

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



24.5582, 37.6173, 14.1501



24.4212, 37.6173, 88.7903



49.9212, 37.6173, 89.6388



50.1418, 37.6173, 14.4002

Rectangle

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



24.5582, 37.6173, 14.1501



20.6619, 37.6173, 45.2307



49.9212, 37.6173, 89.6388



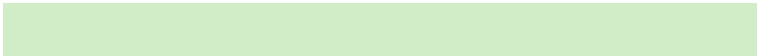
56.8334, 37.6173, 36.9648

Sweetspot

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



24.5591, 37.6189, 14.1509



66.7605, 78.2435, 65.7422



33.3182, 35.1472, 13.2122



14.4010, 17.1180, 13.8736



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.5591, 37.6189, 14.1509



39.2962, 65.1088, 18.2084



23.2087, 36.7904, 20.0662



9.0868, 10.1614, 9.5893



12.5878, 24.0256, 3.9740



0.5007, 0.8763, 0.1428

Inverse Universe

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



25.9404, 16.9776, 46.7116



41.9331, 24.1763, 82.6921



28.7947, 18.7234, 34.4457



9.1647, 9.0512, 11.3435



13.4642, 6.2522, 31.7502



0.5263, 0.2470, 1.1217

Previews

White Background



This preview shows how the XYZ color 24.5582, 37.6173, 14.1501 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 24.5582, 37.6173, 14.1501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

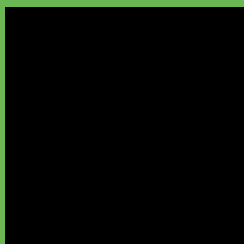
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.5582, 37.6173, 14.1501

Background



This preview shows how black text looks on a background with the XYZ color 24.5582, 37.6173, 14.1501.



This preview shows how white text looks on a background with the XYZ color 24.5582, 37.6173,

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

24.5582, 37.6173, 14.1501

Protanopia

33.9064, 37.0318, 12.3820

Deuteranopia

37.8213, 36.9326, 14.8082



Tritanopia

32.0729, 37.4102, 51.9848

Trichromacy



Original Color

24.5582, 37.6173, 14.1501

Protanomaly

29.4918, 36.6589, 12.9186

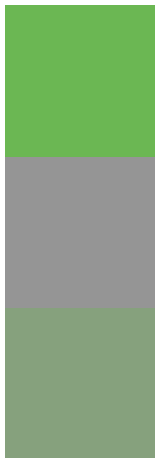
Deuteranomaly

31.2929, 36.1760, 14.3502

Tritanomaly

28.4214, 37.0721, 34.0914

Monochromacy



Original Color

24.5582, 37.6173, 14.1501

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

26.2781, 32.0387, 24.2011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5582, 37.6173, 14.1501 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(107, 183, 83)` looks like.

```
.text, #text, p{  
    color:rgb(107, 183, 83)  
}
```

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(107, 183, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 183, 83) }
```

Border

The CSS property to change the border of an element to XYZ 24.5582, 37.6173, 14.1501 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(107, 183, 83) }
```


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

```
.border{ border-color:rgb(107, 183, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 183, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 183, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 183, 83);  
box-shadow:4px 4px 4px 4px rgb(107, 183,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5582, 37.6173, 14.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 183, 83) }
```

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

```
.background{ background-color: rgb(107,  
183, 83) }
```

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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