

Converting Colors

XYZ(24.4839, 40.2082, 13.4035)

Have a look what the booklet for
XYZ(24.4839, 40.2082, 13.4035)
contains.

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Color

**XYZ(24.4846, 40.1246,
13.4755)**

Conversions

Conversions Part 1

Format	Color
Hex	5DBF4D
RGB	93, 191, 77
RGB Percent	36%, 75%, 30%
CMY	0.6353, 0.2510, 0.6980
CMYK	0.51, 0.00, 0.60, 0.25
HSL	112°, 47%, 53%
HSV	112°, 60%, 75%
XYZ	24.4846, 40.1246, 13.4755
YIQ	148.7020, -21.8140, -56.2300

Conversions

Conversions Part 2

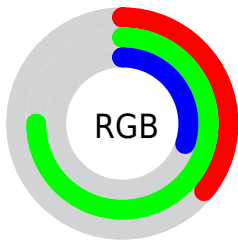
Format	Color
RYB	77, 191, 175
Decimal	6143821
CIELab	69.56, -50.64, 47.85
CIELCh	70, 69.670, 136.627
Yxy	40.1246, 0.3136, 0.5139
Android (android.graphics.Color)	4284333901 (0xFF5DBF4D)
YUV	148.7020, -35.3491, -48.8507
Hunter-Lab	63.3440, -41.8557, 31.7277

Details

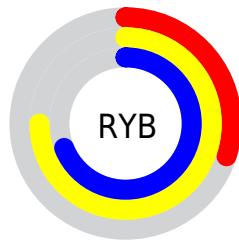
The XYZ color **24.4846, 40.1246, 13.4755** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.7390, 18.1846, 51.2349**, and the grayscale version is **28.5931, 30.0822, 32.7595**.

A 20% lighter version of the original color is **50.1743, 75.2305, 32.9956**, and **9.5523, 18.1862, 3.8174** is the 20% darker color. If you saturate the color by 10%, you get **22.4197, 39.1281, 10.3609**, and if you desaturate by 10%, it is **27.1063, 41.3876, 17.6513**.

Distribution



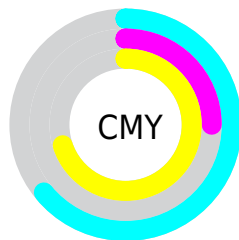
- Red (36%)
- Green (75%)
- Blue (30%)



- Red (30%)
- Yellow (75%)
- Blue (69%)



- Cyan (51%)
- Magenta (0%)
- Yellow (60%)
- Black (25%)





- Cyan (64%)
- Magenta (25%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4846, 40.1246, 13.4755 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 24.4846, 40.1246, 13.4755 by changing the saturation by 10% instead.


 24.4846, 40.1246,
13.4755


 24.4846, 40.1246,
13.4755


267.6566,
346.6485, 225.2568


 15.8202, 27.6357,
7.6222


 50.2688, 75.3532,
32.8591


 9.4870, 18.0512,
3.7699


 68.1193, 98.8617,
47.2264


 5.1198, 10.9868,
1.5000


 89.7624, 126.8122,
65.2689

 2.3532, 6.0579,
0.2179

 115.5637,
159.5891, 87.4050

 0.8217, 2.8803,
0.0000

 145.8884,
197.5768, 114.0533

 0.0000, 1.0696,
0.0000

181.1019,

 0.0000, 0.0000,

241.1596, 145.6324

0.0000

221.5695,
290.7221, 182.5607

■ 24.4846, 40.1246,
13.4755

■ 24.4846, 40.1246,
13.4755

■ 22.4197, 39.1281,
10.3609

■ 27.1063, 41.3876,
17.6513

■ 20.8678, 38.3741,
8.2094

■ 30.3186, 42.9293,
22.9695

■ 19.7828, 37.8424,
6.9097

■ 34.1561, 44.7669,
29.5063

■ 19.0954, 37.5020,
6.2494

■ 38.6497, 46.9149,
37.3309

■ 19.0784, 37.4936,
6.2314

■ 43.8285, 49.3869,
46.5071

■ 49.7195, 52.1956,
57.0945

■ 56.3485, 55.3530,
69.1491

■ 63.7398, 58.8706,
82.7240

■ 71.9168, 62.7592,
97.8694

Harmonies

Analogous

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



32.2808, 40.1246, 7.1683



24.4846, 40.1246, 13.4755



20.7371, 40.1246, 30.8786

Triad

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



24.4846, 40.1246, 13.4755



33.3533, 40.1246, 135.8224



62.8231, 40.1246, 28.2622

Complementary

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



24.4846, 40.1246, 13.4755



29.7390, 18.1846, 51.2349

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.



63.2672, 40.1246, 59.6271



24.4846, 40.1246, 13.4755



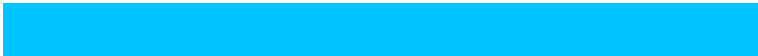
44.6623, 40.1246, 133.8937

Square

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



24.4846, 40.1246, 13.4755



25.1362, 40.1246, 105.9006



56.1050, 40.1246, 101.4786



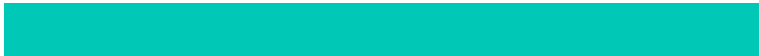
54.9899, 40.1246, 12.3724

Rectangle

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



24.4846, 40.1246, 13.4755



20.4442, 40.1246, 51.2290



56.1050, 40.1246, 101.4786



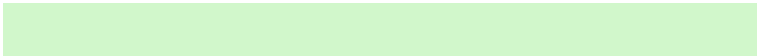
63.8881, 40.1246, 36.9274

Sweetspot

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



24.4856, 40.1263, 13.4764



70.4425, 84.6056, 69.0097



37.9439, 41.8476, 13.0993



14.9091, 18.3114, 14.1709



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.4856, 40.1263, 13.4764



39.0918, 69.5616, 17.0387



24.8976, 40.1232, 23.2322



9.5300, 10.7121, 10.1420



12.5789, 24.6605, 4.0970



0.5334, 0.9869, 0.1624

Inverse Universe

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



29.7390, 18.1846, 51.2349



49.2207, 26.6113, 90.8214



29.7352, 18.6228, 31.3496



9.7948, 9.6266, 12.0141



16.3195, 7.6991, 33.0188



0.6759, 0.3205, 1.2951

Previews

White Background



This preview shows how the XYZ color 24.4846, 40.1246, 13.4755 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 24.4846, 40.1246, 13.4755 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 24.4846, 40.1246, 13.4755

Background



This preview shows how black text looks on a background with the XYZ color 24.4846, 40.1246, 13.4755.



This preview shows how white text looks on a background with the XYZ color 24.4846, 40.1246,

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

24.4846, 40.1246, 13.4755

Protanopia

36.0325, 39.5095, 11.5213

Deuteranopia

40.1567, 39.4270, 14.2978



Tritanopia

33.1938, 39.9171, 56.9942

Trichromacy



Original Color

24.4846, 40.1246, 13.4755



Protanomaly

30.0616, 38.6976, 12.1883



Deuteranomaly

32.0397, 38.2366, 13.8753



Tritanomaly

28.7037, 39.2895, 35.3489

Monochromacy



Original Color

24.4846, 40.1246, 13.4755



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.9039, 32.6481, 23.6753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4846, 40.1246, 13.4755 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(93, 191, 77)` looks like.

```
.text, #text, p{  
    color:rgb(93, 191, 77)  
}
```

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(93, 191, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 191, 77) }
```

Border

The CSS property to change the border of an element to XYZ 24.4846, 40.1246, 13.4755 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(93, 191, 77) }
```


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

```
.border{ border-color:rgb(93, 191, 77) }
```

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

Here you see how a box with a 4 pixel rgb(93, 191, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 191, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 191, 77);  
box-shadow:4px 4px 4px 4px rgb(93, 191,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4846, 40.1246, 13.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 191, 77) }
```

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

```
.background{ background-color: rgb(93, 191,  
77) }
```

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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