

Converting Colors

XYZ(42.6254, 53.7316, 25.0879)

Have a look what the booklet for
XYZ(42.6254, 53.7316, 25.0879)
contains.

XYZ(42.4829, 53.5840, 24.9333)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.4829, 53.5840,
24.9333)**

Conversions

Conversions Part 1

Format	Color
Hex	AFCC75
RGB	175, 204, 117
RGB Percent	69%, 80%, 46%
CMY	0.3137, 0.2000, 0.5412
CMYK	0.14, 0.00, 0.43, 0.20
HSL	80°, 46%, 63%
HSV	80°, 43%, 80%
XYZ	42.4829, 53.5840, 24.9333
YIQ	185.4110, 10.6430, -33.2050

Conversions

Conversions Part 2

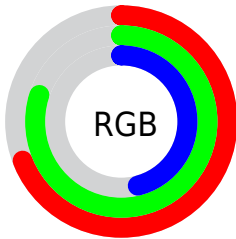
Format	Color
RYB	117, 204, 146
Decimal	11521141
CIELab	78.22, -23.82, 40.09
CIELCh	78, 46.631, 120.722
Yxy	53.5840, 0.3511, 0.4428
Android (android.graphics.Color)	4289711221 (0xFFAFCC75)
YUV	185.4110, -33.7266, -9.1304
Hunter-Lab	73.2011, -24.5079, 31.0458

Details

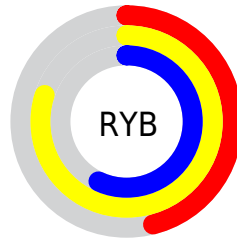
The XYZ color **42.4829, 53.5840, 24.9333** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.1166, 23.1947, 60.0722**, and the grayscale version is **46.5222, 48.9450, 53.3011**.

A 20% lighter version of the original color is **76.2944, 91.5781, 51.6854**, and **19.7749, 26.2710, 9.1828** is the 20% darker color. If you saturate the color by 10%, you get **39.9240, 52.3903, 19.2203**, and if you desaturate by 10%, it is **45.3828, 54.9266, 32.0287**.

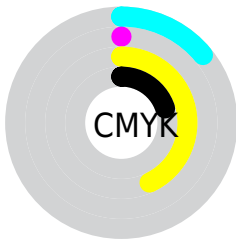
Distribution



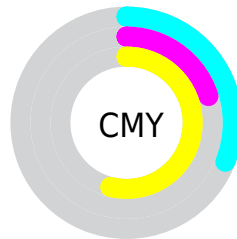
- Red (69%)
- Green (80%)
- Blue (46%)



- Red (46%)
- Yellow (80%)
- Blue (57%)



- Cyan (14%)
- Magenta (0%)
- Yellow (43%)
- Black (20%)





- Cyan (31%)
- Magenta (20%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4829, 53.5840, 24.9333 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 42.4829, 53.5840, 24.9333 by changing the saturation by 10% instead.


 42.4829, 53.5840,
24.9333


 42.4829, 53.5840,
24.9333


347.4385,
400.5217, 290.9426

 29.6724, 38.2692,
15.8088


 78.1905, 95.4632,
52.5118

 19.7369, 26.1917,
9.2361

 101.8184,
122.7963, 71.8028

 12.3111, 16.9671,
4.7966


 129.7826,
154.9043, 95.3198

 7.0296, 10.2110,
2.0718

162.4487,
192.1716, 123.4813

 3.5271, 5.5391,
0.5989

200.1820,
234.9826, 156.7057

 1.4383, 2.5669,
0.0000

243.3479,

 0.2832, 0.9101,

283.7217, 195.4118

0.0000

292.3116,
338.7733, 240.0179

■ 0.0000, 0.0000,
0.0000

■ 42.4829, 53.5840,
24.9333

■ 42.4829, 53.5840,
24.9333

■ 39.9240, 52.3903,
19.2203

■ 45.3828, 54.9266,
32.0287

■ 37.6838, 51.3311,
14.7960

■ 48.6364, 56.4179,
40.5855

■ 35.7432, 50.4003,
11.5603


■ 52.2604, 58.0665,
50.6805


■ 34.0791, 49.5886,
9.3969

■ 56.2694, 59.8783,
62.3843

■ 32.6638, 48.8847,
8.1661


■ 60.6769, 61.8589,
75.7632

 31.7463, 48.4217,
7.6731

 65.4958, 64.0135,
90.8795

 69.9547, 66.0338,
103.6665

 72.0877, 67.1334,
103.7663

 74.3058, 68.2768,
103.8701

Harmonies

Analogous

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



50.7093, 53.5840, 21.1449



42.4829, 53.5840, 24.9333



37.1089, 53.5840, 37.0603

Triad

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



42.4829, 53.5840, 24.9333



42.8230, 53.5840, 114.0583



70.5634, 53.5840, 57.7132

Complementary

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



42.4829, 53.5840, 24.9333



29.1166, 23.1947, 60.0722

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.



67.8163, 53.5840, 86.5264



42.4829, 53.5840, 24.9333



51.1513, 53.5840, 124.3837

Square

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



42.4829, 53.5840, 24.9333



37.2881, 53.5840, 87.9601



60.4285, 53.5840, 113.0715



67.5492, 53.5840, 36.2560

Rectangle

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



42.4829, 53.5840, 24.9333



35.5038, 53.5840, 50.6123



60.4285, 53.5840, 113.0715



70.2803, 53.5840, 66.8252

Sweetspot

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



42.4842, 53.5864, 24.9344



86.2151, 96.0098, 82.9896



38.3936, 34.6812, 21.5010



18.1563, 20.4151, 16.9211



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



42.4842, 53.5864, 24.9344



66.5073, 86.9436, 32.6618



34.2432, 49.3380, 24.5488



11.7763, 12.9021, 11.9491



20.0826, 30.5283, 4.8341



1.1144, 1.6153, 0.2531

Inverse Universe

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



29.1166, 23.1947, 60.0722



41.5910, 30.2330, 98.2512



38.3729, 27.9665, 60.5053



10.9483, 11.0226, 14.1209



8.4497, 3.5635, 36.1988



0.5162, 0.2253, 1.8712

Previews

White Background



This preview shows how the XYZ color 42.4829, 53.5840, 24.9333 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 42.4829, 53.5840, 24.9333 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 42.4829, 53.5840, 24.9333

Background



This preview shows how black text looks on a background with the XYZ color 42.4829, 53.5840, 24.9333.



This preview shows how white text looks on a background with the XYZ color 42.4829, 53.5840,

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

42.4829, 53.5840, 24.9333

Protanopia

48.9146, 53.1811, 23.3097

Deuteranopia

54.2576, 53.0098, 25.7846



Tritanopia

51.0721, 53.3082, 67.9193

Trichromacy



Original Color

42.4829, 53.5840, 24.9333

Protanomaly

46.2922, 53.1532, 23.7393

Deuteranomaly

49.1723, 52.6147, 25.3333

Tritanomaly

47.3312, 53.1344, 48.8356

Monochromacy



Original Color

42.4829, 53.5840, 24.9333

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.2509, 50.0611, 40.5882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4829, 53.5840, 24.9333 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(175, 204, 117)` looks like.

```
.text, #text, p{  
    color:rgb(175, 204, 117)  
}
```

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(175, 204, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 204, 117) }
```

Border

The CSS property to change the border of an element to XYZ 42.4829, 53.5840, 24.9333 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(175, 204, 117) }
```


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

```
.border{ border-color:rgb(175, 204, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 204, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 204, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 204, 117);  
box-shadow:4px 4px 4px 4px rgb(175, 204,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4829, 53.5840, 24.9333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 204, 117) }
```

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

```
.background{ background-color: rgb(175,  
204, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor