

Converting Colors

XYZ(24.9752, 46.5470, 17.3217)

Have a look what the booklet for
XYZ(24.9752, 46.5470, 17.3217)
contains.

XYZ(24.9552, 46.4985, 17.3327)	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(24.9552, 46.4985,
17.3327)**

Conversions

Conversions Part 1

Format	Color
Hex	15D15A
RGB	21, 209, 90
RGB Percent	8%, 82%, 35%
CMY	0.9176, 0.1804, 0.6470
CMYK	0.90, 0.00, 0.57, 0.18
HSL	142°, 82%, 45%
HSV	142°, 90%, 82%
XYZ	24.9552, 46.4985, 17.3327
YIQ	139.2220, -73.8490, -76.8650

Conversions

Conversions Part 2

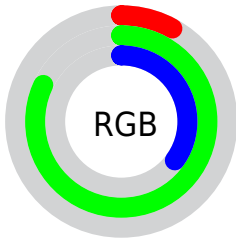
Format	Color
RYB	21, 159, 209
Decimal	1429850
CIELab	73.87, -67.19, 46.55
CIELCh	74, 81.744, 145.286
Yxy	46.4985, 0.2811, 0.5237
Android (android.graphics.Color)	4279619930 (0xFF15D15A)
YUV	139.2220, -24.2664, -103.6807
Hunter-Lab	68.1898, -54.0071, 32.6623

Details

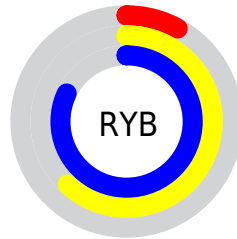
The XYZ color **24.9552, 46.4985, 17.3327** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **31.2979, 15.9860, 26.2496**, and the grayscale version is **24.7387, 26.0271, 28.3435**.

A 20% lighter version of the original color is **46.9023, 76.6913, 38.3175**, and **11.7252, 22.9160, 5.5555** is the 20% darker color. If you saturate the color by 10%, you get **24.1342, 46.1360, 14.6125**, and if you desaturate by 10%, it is **26.2123, 47.0769, 20.5986**.

Distribution



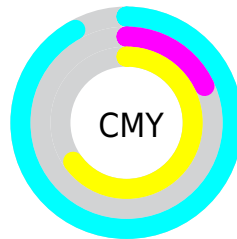
- Red (8%)
- Green (82%)
- Blue (35%)



- Red (8%)
- Yellow (62%)
- Blue (82%)



- Cyan (90%)
- Magenta (0%)
- Yellow (57%)
- Black (18%)



- Cyan (92%)
- Magenta (18%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9552, 46.4985, 17.3327 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 24.9552, 46.4985, 17.3327 by changing the saturation by 10% instead.

■ 24.9552, 46.4985,
17.3327

■ 24.9552, 46.4985,
17.3327

269.9665,
372.8092, 249.1909

■ 16.1722, 32.6394,
10.3075

■ 51.0280, 84.9646,
39.6954

■ 9.7377, 21.8503,
5.4951

■ 69.0484, 110.3403,
55.8700

■ 5.2863, 13.7470,
2.4768

■ 90.8788, 140.3237,
75.9314

■ 2.4527, 7.9449,
0.8278

■ 116.8845,
175.2991, 100.2983

■ 0.8715, 4.0597,
0.0000

■ 147.4307,
215.6510, 129.3892

■ 0.0000, 1.7070,
0.0000

182.8829,

■ 0.0000, 0.4282,

261.7637, 163.6225

0.0000

223.6064,
314.0216, 203.4169

■ 0.0000, 0.0000,
0.0000

■ 24.9552, 46.4985,
17.3327

■ 24.9552, 46.4985,
17.3327

■ 24.1342, 46.1360,
14.6125

■ 26.2123, 47.0769,
20.5986

■ 24.1305, 46.1343,
14.6000

■ 28.0183, 47.9248,
24.4382

■ 30.4400, 49.0775,
28.8796

■ 33.5331, 50.5630,
33.9480

■ 37.3468, 52.4064,
39.6671

■ 41.9255, 54.6301,
46.0592

■ 47.3099, 57.2546,
53.1457

■ 53.5377, 60.2989,
60.9469

■ 60.6443, 63.7809,
69.4822

Harmonies

Analogous

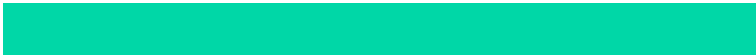
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.2894, 46.4985, 7.2418



24.9552, 46.4985, 17.3327



21.7641, 46.4985, 44.3244

Triad

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



24.9552, 46.4985, 17.3327



41.9355, 46.4985, 179.8370



74.6284, 46.4985, 23.5359

Complementary

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



24.9552, 46.4985, 17.3327



31.2979, 15.9860, 26.2496

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.



78.3559, 46.4985, 57.5046



24.9552, 46.4985, 17.3327



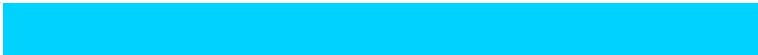
57.2558, 46.4985, 163.1403

Square

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



24.9552, 46.4985, 17.3327



30.0997, 46.4985, 149.1901



71.4147, 46.4985, 111.3459



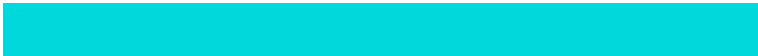
62.1209, 46.4985, 9.1965

Rectangle

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



24.9552, 46.4985, 17.3327



22.3271, 46.4985, 74.8282



71.4147, 46.4985, 111.3459



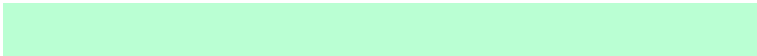
77.0519, 46.4985, 32.3060

Sweetspot

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



24.9563, 46.5004, 17.3338



67.8566, 86.7021, 75.0623



33.7640, 51.2385, 8.8203



13.9388, 18.2729, 15.2781



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.



24.9563, 46.5004, 17.3338



37.7619, 72.3208, 22.4620



31.7559, 49.2202, 53.1397



11.8331, 13.2770, 13.4775



14.9212, 28.4614, 9.2313



0.8721, 1.6065, 0.7151

Inverse Universe

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



31.2979, 15.9860, 26.2496



47.7095, 23.8478, 35.9977



27.0584, 14.2902, 3.9245



12.1191, 11.9324, 13.9027



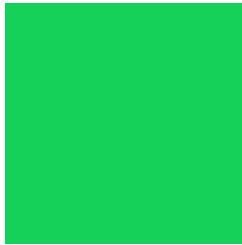
18.8417, 9.4095, 14.6044



1.0910, 0.5411, 1.0141

Previews

White Background



This preview shows how the XYZ color 24.9552, 46.4985, 17.3327 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 24.9552, 46.4985, 17.3327 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 24.9552, 46.4985, 17.3327

Background



This preview shows how black text looks on a background with the XYZ color 24.9552, 46.4985, 17.3327.



This preview shows how white text looks on a background with the XYZ color 24.9552, 46.4985,

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

24.9552, 46.4985, 17.3327

Protanopia

41.6259, 45.5160, 14.3761

Deuteranopia

46.5680, 45.6408, 18.4117



Tritanopia

35.2797, 46.1181, 69.3296

Trichromacy



Original Color

24.9552, 46.4985, 17.3327



Protanomaly

30.2227, 43.0526, 15.1046



Deuteranomaly

31.6730, 41.8384, 17.4726



Tritanomaly

29.8790, 45.5925, 44.2712

Monochromacy



Original Color

24.9552, 46.4985, 17.3327



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.5505, 30.4182, 22.8246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9552, 46.4985, 17.3327 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(21, 209, 90)` looks like.

```
.text, #text, p{  
    color:rgb(21, 209, 90)  
}
```

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(21, 209, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 209, 90) }
```

Border

The CSS property to change the border of an element to XYZ 24.9552, 46.4985, 17.3327 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(21, 209, 90) }
```


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

```
.border{ border-color:rgb(21, 209, 90) }
```

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

Here you see how a box with a 4 pixel rgb(21, 209, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 209, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 209, 90);  
box-shadow:4px 4px 4px 4px rgb(21, 209,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9552, 46.4985, 17.3327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 209, 90) }
```

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

```
.background{ background-color: rgb(21, 209,  
90) }
```

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