

Converting Colors

XYZ(24.7562, 46.4557, 14.6256)

Have a look what the booklet for
XYZ(24.7562, 46.4557, 14.6256)
contains.

XYZ(24.7672, 46.4601, 14.6835)	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(24.7672, 46.4601,
14.6835)**

Conversions

Conversions Part 1

Format	Color
Hex	21D14D
RGB	33, 209, 77
RGB Percent	13%, 82%, 30%
CMY	0.8706, 0.1804, 0.6980
CMYK	0.84, 0.00, 0.63, 0.18
HSL	135°, 73%, 47%
HSV	135°, 84%, 82%
XYZ	24.7672, 46.4601, 14.6835
YIQ	141.3280, -62.5240, -78.3640

Conversions

Conversions Part 2

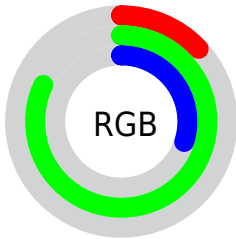
Format	Color
RYB	33, 174, 209
Decimal	2216269
CIELab	73.84, -67.89, 52.34
CIELCh	74, 85.726, 142.371
Yxy	46.4601, 0.2883, 0.5408
Android (android.graphics.Color)	4280406349 (0xFF21D14D)
YUV	141.3280, -31.7137, -95.0037
Hunter-Lab	68.1616, -54.4232, 34.9408

Details

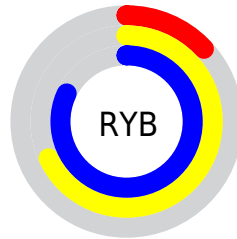
The XYZ color **24.7672, 46.4601, 14.6835** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **33.6311, 17.3603, 37.1760**, and the grayscale version is **25.5856, 26.9181, 29.3138**.

A 20% lighter version of the original color is **46.6668, 76.6694, 33.8118**, and **11.5004, 22.8261, 4.3720** is the 20% darker color. If you saturate the color by 10%, you get **23.8056, 46.0222, 12.0900**, and if you desaturate by 10%, it is **26.2790, 47.1690, 18.0010**.

Distribution



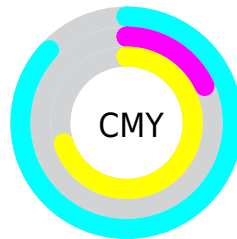
- Red (13%)
- Green (82%)
- Blue (30%)



- Red (13%)
- Yellow (68%)
- Blue (82%)



- Cyan (84%)
- Magenta (0%)
- Yellow (63%)
- Black (18%)





- Cyan (87%)
- Magenta (18%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7672, 46.4601, 14.6835 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 24.7672, 46.4601, 14.6835 by changing the saturation by 10% instead.


 24.7672, 46.4601,
14.6835


 24.7672, 46.4601,
14.6835


269.0457,
372.6553, 233.0169


 16.0315, 32.6090,
8.4534

 50.7249, 84.9072,
35.0314


 9.6374, 21.8271,
4.2945


 68.6777, 110.2720,
49.9863


 5.2196, 13.7299,
1.7883


 90.4334, 140.2435,
68.6865

 2.4128, 7.9331,
0.4202

 116.3576,
175.2061, 91.5506

 0.8515, 4.0521,
0.0000

 146.8156,
215.5441, 118.9972

 0.0000, 1.7028,
0.0000

182.1727,

 0.0000, 0.4255,

261.6421, 151.4447

0.0000

222.7943,
313.8844, 189.3118

■ 0.0000, 0.0000,
0.0000

■ 24.7672, 46.4601,
14.6835

■ 24.7672, 46.4601,
14.6835

■ 23.8056, 46.0222,
12.0900

■ 26.2790, 47.1690,
18.0010


■ 23.4270, 45.8530,
10.8946

■ 28.4132, 48.1809,
22.0887


■ 31.2339, 49.5294,
26.9923


■ 34.7960, 51.2419,
32.7534

■ 39.1488, 53.3431,
39.4104

 44.3372, 55.8552,
46.9994

 50.4027, 58.7990,
55.5546

 57.3839, 62.1937,
65.1084

 65.3172, 66.0574,
75.6917

Harmonies

Analogous

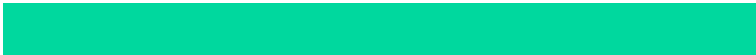
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.9114, 46.4601, 5.8873



24.7672, 46.4601, 14.6835



21.0034, 46.4601, 40.2359

Triad

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



24.7672, 46.4601, 14.6835



40.3788, 46.4601, 187.8417



77.2083, 46.4601, 24.8817

Complementary

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



24.7672, 46.4601, 14.6835



33.6311, 17.3603, 37.1760

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.



80.0694, 46.4601, 62.5769



24.7672, 46.4601, 14.6835



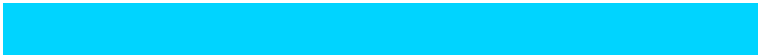
56.2872, 46.4601, 174.7824

Square

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



24.7672, 46.4601, 14.6835



28.5648, 46.4601, 150.5171



71.6945, 46.4601, 121.1440



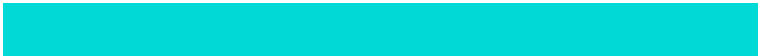
64.5930, 46.4601, 8.9652

Rectangle

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



24.7672, 46.4601, 14.6835



21.2612, 46.4601, 70.7981



71.6945, 46.4601, 121.1440



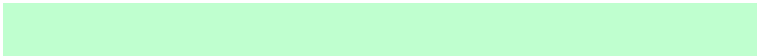
79.4445, 46.4601, 34.6429

Sweetspot

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



24.7683, 46.4620, 14.6846



68.5943, 87.1430, 72.3573



38.5936, 53.7123, 9.7723



14.0412, 18.3417, 14.5578



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.



24.7683, 46.4620, 14.6846



36.6784, 71.8874, 16.7563



30.2204, 48.6429, 43.3950



11.7758, 13.2541, 13.1759



14.4774, 28.2839, 6.8940



0.8419, 1.5944, 0.5563

Inverse Universe

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



33.6311, 17.3603, 37.1760



50.6712, 25.0325, 51.5938



28.1791, 15.1795, 8.4662



12.1792, 11.9564, 14.2197



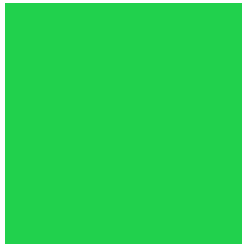
19.9927, 9.8699, 20.6655



1.1486, 0.5641, 1.3172

Previews

White Background



This preview shows how the XYZ color 24.7672, 46.4601, 14.6835 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 24.7672, 46.4601, 14.6835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

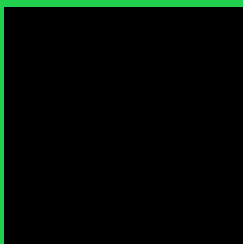
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

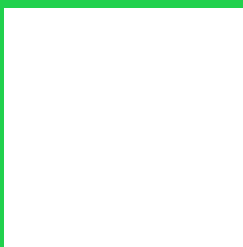
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7672, 46.4601, 14.6835

Background



This preview shows how black text looks on a background with the XYZ color 24.7672, 46.4601, 14.6835.



This preview shows how white text looks on a background with the XYZ color 24.7672, 46.4601,

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

24.7672, 46.4601, 14.6835

Protanopia

41.4828, 45.4897, 12.2242

Deuteranopia

46.1432, 45.2026, 15.5255



Tritanopia

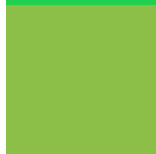
35.7434, 46.3572, 69.3513

Trichromacy



Original Color

24.7672, 46.4601, 14.6835



Protanomaly

30.6157, 43.3049, 12.8760



Deuteranomaly

32.0861, 42.1103, 14.8245



Tritanomaly

29.9517, 45.6828, 41.8894

Monochromacy



Original Color

24.7672, 46.4601, 14.6835



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.3857, 31.4052, 22.0215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7672, 46.4601, 14.6835 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(33, 209, 77)` looks like.

```
.text, #text, p{  
    color:rgb(33, 209, 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(33, 209, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 209, 77) }
```

Border

The CSS property to change the border of an element to XYZ 24.7672, 46.4601, 14.6835 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(33, 209, 77) }
```


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

```
.border{ border-color:rgb(33, 209, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 209, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(33, 209, 77); -webkit-box-shadow:4px 4px 4px 4px rgb(33, 209, 77); box-shadow:4px 4px 4px 4px rgb(33, 209, 77) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7672, 46.4601, 14.6835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 209, 77) }
```

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

```
.background{ background-color: rgb(33, 209,  
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](#).

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