

Converting Colors

XYZ(25.0028, 48.1371, 11.5035)

Have a look what the booklet for
XYZ(25.0028, 48.1371, 11.5035)
contains.

XYZ(24.9955, 48.1309, 11.4628)	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(24.9955, 48.1309,
11.4628)**

Conversions

Conversions Part 1

Format	Color
Hex	1ED536
RGB	30, 213, 54
RGB Percent	12%, 84%, 21%
CMY	0.8824, 0.1647, 0.7882
CMYK	0.86, 0.00, 0.75, 0.16
HSL	128°, 75%, 48%
HSV	128°, 86%, 84%
XYZ	24.9955, 48.1309, 11.4628
YIQ	140.1570, -58.0290, -88.2450

Conversions

Conversions Part 2

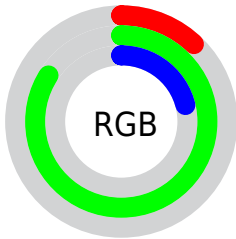
Format	Color
RYB	30, 192, 213
Decimal	2020662
CIELab	74.91, -71.50, 62.30
CIELCh	75, 94.836, 138.934
Yxy	48.1309, 0.2955, 0.5690
Android (android.graphics.Color)	4280210742 (0xFF1ED536)
YUV	140.1570, -42.4754, -96.6077
Hunter-Lab	69.3764, -57.0974, 38.7672

Details

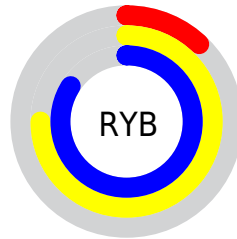
The XYZ color **24.9955, 48.1309, 11.4628** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **37.0910, 18.7492, 49.8065**, and the grayscale version is **25.1656, 26.4762, 28.8325**.

A 20% lighter version of the original color is **45.5687, 76.2451, 27.3540**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.2150, 47.7710, 9.5738**, and if you desaturate by 10%, it is **26.3621, 48.7767, 14.2443**.

Distribution



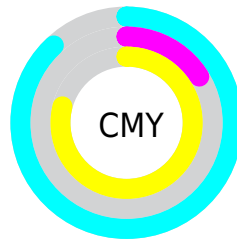
- Red (12%)
- Green (84%)
- Blue (21%)



- Red (12%)
- Yellow (75%)
- Blue (84%)



- Cyan (86%)
- Magenta (0%)
- Yellow (75%)
- Black (16%)



- Cyan (88%)
- Magenta (16%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9955, 48.1309, 11.4628 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 24.9955, 48.1309, 11.4628 by changing the saturation by 10% instead.

■ 24.9955, 48.1309,
11.4628

■ 24.9955, 48.1309,
11.4628

270.1636,
379.3107, 211.6658

■ 16.2024, 33.9306,
6.2610

■ 51.0929, 87.3993,
29.1625

■ 9.7593, 22.8403,
2.9331

■ 69.1279, 113.2361,
42.4974

■ 5.3007, 14.4756,
1.0606

■ 90.9742, 143.7205,
59.3804

■ 2.4613, 8.4522,
0.0000

■ 116.9973,
179.2370, 80.2300

■ 0.8758, 4.3856,
0.0000

■ 147.5624,
220.1698, 105.4648

■ 0.0000, 1.8915,
0.0000

183.0349,

■ 0.0000, 0.5433,

266.9035, 135.5034

0.0000

223.7802,
319.8223, 170.7642

■ 0.0000, 0.0000,
0.0000

■ 24.9955, 48.1309,
11.4628

■ 24.9955, 48.1309,
11.4628

■ 24.2150, 47.7710,
9.5738

■ 26.3621, 48.7767,
14.2443

■ 24.0042, 47.6741,
9.0318

■ 28.4018, 49.7470,
18.0069

■ 31.1898, 51.0804,
22.8321

■ 34.7902, 52.8083,
28.7921

■ 39.2604, 54.9589,
35.9525

■ 44.6522, 57.5577,
44.3742

■ 51.0138, 60.6282,
54.1138

■ 58.3895, 64.1922,
65.2244

■ 66.8213, 68.2703,
77.7564

Harmonies

Analogous

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



35.7933, 48.1309, 4.0994



24.9955, 48.1309, 11.4628



20.2785, 48.1309, 36.1862

Triad

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



24.9955, 48.1309, 11.4628



39.6632, 48.1309, 212.1775



84.9073, 48.1309, 27.2027

Complementary

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



24.9955, 48.1309, 11.4628



37.0910, 18.7492, 49.8065

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.



86.7014, 48.1309, 72.8674



24.9955, 48.1309, 11.4628



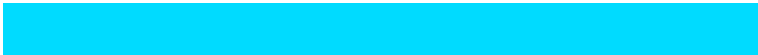
57.3935, 48.1309, 203.7104

Square

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



24.9955, 48.1309, 11.4628



27.2120, 48.1309, 161.8233



75.6381, 48.1309, 143.0290



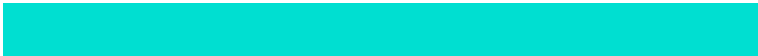
71.2205, 48.1309, 8.4279

Rectangle

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



24.9955, 48.1309, 11.4628



20.1540, 48.1309, 68.6114



75.6381, 48.1309, 143.0290



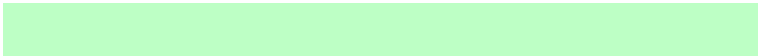
87.0304, 48.1309, 38.9777

Sweetspot

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



24.9966, 48.1329, 11.4639



66.7956, 86.3499, 66.2090



45.6801, 58.8455, 10.1790



13.6591, 18.1749, 13.1813



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.



24.9966, 48.1329, 11.4639



36.0409, 71.6324, 13.3991



29.2774, 49.8452, 34.0059



12.3281, 13.9222, 13.5421



14.6834, 29.1287, 5.6286



0.9078, 1.7658, 0.4563

Inverse Universe

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



37.0910, 18.7492, 49.8065



54.3644, 26.5098, 71.0421



30.2135, 15.9983, 13.5905



12.8797, 12.6034, 15.3065



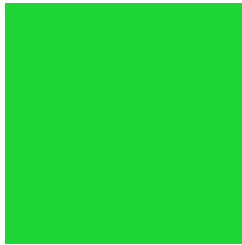
22.1419, 10.7931, 29.1152



1.3554, 0.6590, 1.8611

Previews

White Background



This preview shows how the XYZ color 24.9955, 48.1309, 11.4628 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 24.9955, 48.1309, 11.4628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

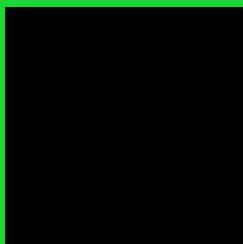
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.9955, 48.1309, 11.4628

Background



This preview shows how black text looks on a background with the XYZ color 24.9955, 48.1309, 11.4628.



This preview shows how white text looks on a background with the XYZ color 24.9955, 48.1309,

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

24.9955, 48.1309, 11.4628

Protanopia

42.6035, 47.0434, 9.4196

Deuteranopia

48.2365, 47.2083, 12.3641



Tritanopia

37.0035, 47.9773, 71.6002

Trichromacy



Original Color

24.9955, 48.1309, 11.4628



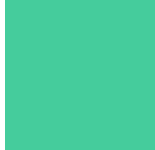
Protanomaly

30.8307, 44.4680, 9.8640



Deuteranomaly

32.6189, 43.4045, 11.5092



Tritanomaly

30.0479, 46.8512, 38.9120

Monochromacy



Original Color

24.9955, 48.1309, 11.4628



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

21.8346, 31.4509, 19.3878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9955, 48.1309, 11.4628 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(30, 213, 54)` looks like.

```
.text, #text, p{  
    color:rgb(30, 213, 54)  
}
```

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(30, 213, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 213, 54) }
```

Border

The CSS property to change the border of an element to XYZ 24.9955, 48.1309, 11.4628 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(30, 213, 54) }
```


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

```
.border{ border-color:rgb(30, 213, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 213, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 213, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 213, 54);  
box-shadow:4px 4px 4px 4px rgb(30, 213,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9955, 48.1309, 11.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 213, 54) }
```

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

```
.background{ background-color: rgb(30, 213,  
54) }
```

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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