

Converting Colors

XYZ(25.0310, 45.2797, 19.6192)

Have a look what the booklet for
XYZ(25.0310, 45.2797, 19.6192)
contains.

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Color

**XYZ(25.1478, 45.4573,
19.7606)**

Conversions

Conversions Part 1

Format	Color
Hex	24CE65
RGB	36, 206, 101
RGB Percent	14%, 81%, 40%
CMY	0.8588, 0.1921, 0.6039
CMYK	0.83, 0.00, 0.51, 0.19
HSL	143°, 70%, 47%
HSV	143°, 83%, 81%
XYZ	25.1478, 45.4573, 19.7606
YIQ	143.2000, -67.6150, -68.6950

Conversions

Conversions Part 2

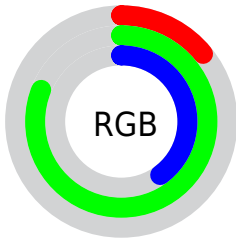
Format	Color
RYB	36, 159, 206
Decimal	2412133
CIELab	73.19, -63.46, 40.55
CIElCh	73, 75.306, 147.425
Yxy	45.4573, 0.2783, 0.5030
Android (android.graphics.Color)	4280602213 (0xFF24CE65)
YUV	143.2000, -20.8046, -94.0144
Hunter-Lab	67.4220, -51.4097, 29.8182

Details

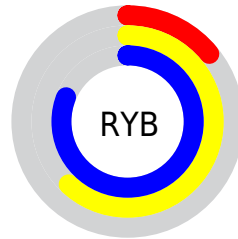
The XYZ color **25.1478, 45.4573, 19.7606** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted spring green. A complement of this color would be **30.8935, 16.3074, 26.7198**, and the grayscale version is **26.2892, 27.6583, 30.1199**.

A 20% lighter version of the original color is **48.2748, 77.2978, 42.9475**, and **11.4821, 22.0430, 6.6672** is the 20% darker color. If you saturate the color by 10%, you get **24.0488, 44.9586, 16.7036**, and if you desaturate by 10%, it is **26.7587, 46.2113, 23.3474**.

Distribution



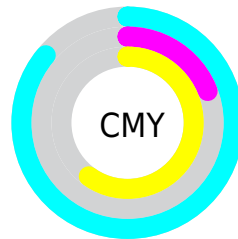
- Red (14%)
- Green (81%)
- Blue (40%)



- Red (14%)
- Yellow (62%)
- Blue (81%)



- Cyan (83%)
- Magenta (0%)
- Yellow (51%)
- Black (19%)




- Cyan (86%)
- Magenta (19%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1478, 45.4573, 19.7606 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 25.1478, 45.4573, 19.7606 by changing the saturation by 10% instead.


 25.1478, 45.4573,
19.7606


 25.1478, 45.4573,
19.7606


270.9073,
368.6225, 263.1774


 16.3165, 31.8178,
12.0388


 51.3381, 83.4062,
43.8691


 9.8407, 21.2224,
6.6472


 69.4278, 108.4844,
61.0929

 5.3549, 13.2866,
3.1674


 91.3343, 138.1443,
82.3212

 2.4938, 7.6262,
1.1807

 117.4231,
172.7702, 107.9723

 0.8922, 3.8567,
0.0000

 148.0594,
212.7466, 138.4650

 0.0000, 1.5937,
0.0000

183.6086,

 0.0000, 0.3534,

258.4578, 174.2177

0.0000

224.4361,
310.2883, 215.6490

■ 0.0000, 0.0000,
0.0000

■ 25.1478, 45.4573,
19.7606

■ 25.1478, 45.4573,
19.7606

■ 24.0488, 44.9586,
16.7036

■ 26.7587, 46.2113,
23.3474

■ 23.4750, 44.7055,
14.7444

■ 28.9442, 47.2486,
27.4857

■ 31.7609, 48.5993,
32.1994

■ 35.2575, 50.2879,
37.5102

■ 39.4774, 52.3366,
43.4382

■ 44.4607, 54.7654,
50.0031

■ 50.2441, 57.5930,
57.2232

■ 56.8620, 60.8368,
65.1162

■ 64.3468, 64.5132,
73.6993

Harmonies

Analogous

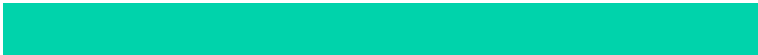
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.5352, 45.4573, 8.9429



25.1478, 45.4573, 19.7606



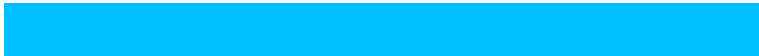
22.4815, 45.4573, 46.2993

Triad

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



25.1478, 45.4573, 19.7606



42.0750, 45.4573, 163.4662



69.8873, 45.4573, 22.9906

Complementary

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



25.1478, 45.4573, 19.7606



30.8935, 16.3074, 26.7198

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.



73.8566, 45.4573, 52.8350



25.1478, 45.4573, 19.7606



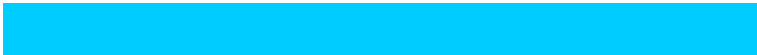
55.9864, 45.4573, 146.1561

Square

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



25.1478, 45.4573, 19.7606



30.9269, 45.4573, 139.5337



68.3270, 45.4573, 99.8743



58.3681, 45.4573, 10.0283

Rectangle

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



25.1478, 45.4573, 19.7606



23.2267, 45.4573, 74.6184



68.3270, 45.4573, 99.8743



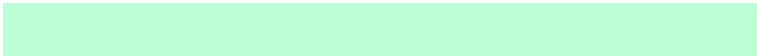
72.2396, 45.4573, 30.7581

Sweetspot

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



25.1489, 45.4592, 19.7616



69.6550, 87.5673, 77.9428



33.8347, 50.1714, 9.5700



14.2903, 18.4414, 15.8698



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.



25.1489, 45.4592, 19.7616



38.0476, 72.4387, 23.8000



31.3822, 47.9525, 52.5855



11.2426, 12.6068, 12.8349



14.4985, 27.5447, 9.3103



0.7847, 1.4357, 0.6738

Inverse Universe

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



30.8935, 16.3074, 26.7198



47.4802, 23.8004, 34.6539



26.8664, 14.6966, 5.5135



11.4987, 11.3282, 13.1606



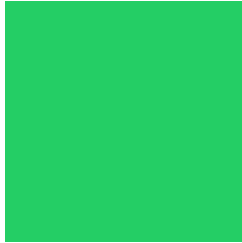
18.0904, 9.0468, 13.4608



0.9696, 0.4812, 0.8856

Previews

White Background



This preview shows how the XYZ color 25.1478, 45.4573, 19.7606 looks on a white background.

Color Contrast Check

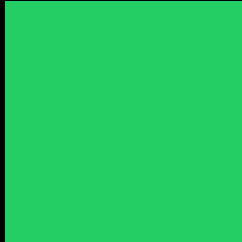
Large Text (above 18pt) WCAG AA × Fail

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 25.1478, 45.4573, 19.7606 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 25.1478, 45.4573, 19.7606

Background



This preview shows how black text looks on a background with the XYZ color 25.1478, 45.4573, 19.7606.

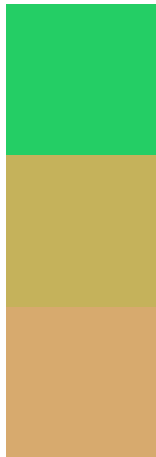


This preview shows how white text looks on a background with the XYZ color 25.1478, 45.4573,

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

25.1478, 45.4573, 19.7606

Protanopia

40.8347, 44.4664, 16.3282

Deuteranopia

45.2135, 44.3223, 20.9239



Tritanopia

34.6710, 45.1680, 67.8637

Trichromacy



Original Color

25.1478, 45.4573, 19.7606



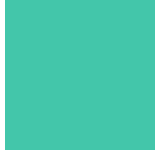
Protanomaly

30.5300, 42.1959, 17.3620



Deuteranomaly

32.1650, 41.4125, 20.2081



Tritanomaly

29.7645, 44.4837, 45.0477

Monochromacy



Original Color

25.1478, 45.4573, 19.7606



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.2414, 31.7740, 25.3301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1478, 45.4573, 19.7606 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(36, 206, 101)` looks like.

```
.text, #text, p{  
    color:rgb(36, 206, 101)  
}
```

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(36, 206, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 206, 101) }
```

Border

The CSS property to change the border of an element to XYZ 25.1478, 45.4573, 19.7606 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(36, 206, 101) }
```


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

```
.border{ border-color:rgb(36, 206, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 206, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 206, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 206, 101);  
box-shadow:4px 4px 4px 4px rgb(36, 206,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1478, 45.4573, 19.7606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 206, 101) }
```

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

```
.background{ background-color: rgb(36, 206,  
101) }
```

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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