

Converting Colors

XYZ(25.9080, 46.6963, 21.3314)

Have a look what the booklet for
XYZ(25.9080, 46.6963, 21.3314)
contains.

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Color

**XYZ(25.7846, 46.4757,
21.2474)**

Conversions

Conversions Part 1

Format	Color
Hex	21D06A
RGB	33, 208, 106
RGB Percent	13%, 82%, 42%
CMY	0.8706, 0.1843, 0.5843
CMYK	0.84, 0.00, 0.49, 0.18
HSL	145°, 73%, 47%
HSV	145°, 84%, 82%
XYZ	25.7846, 46.4757, 21.2474
YIQ	144.0470, -71.5580, -68.8220

Conversions

Conversions Part 2

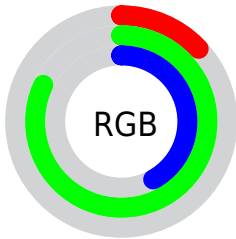
Format	Color
RYB	33, 156, 208
Decimal	2216042
CIELab	73.85, -63.62, 38.91
CIELCh	74, 74.579, 148.548
Yxy	46.4757, 0.2757, 0.4970
Android (android.graphics.Color)	4280406122 (0xFF21D06A)
YUV	144.0470, -18.7572, -97.3882
Hunter-Lab	68.1731, -51.7902, 29.2423

Details

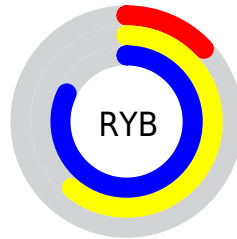
The XYZ color **25.7846, 46.4757, 21.2474** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **30.9309, 16.2478, 24.4294**, and the grayscale version is **26.6233, 28.0097, 30.5026**.

A 20% lighter version of the original color is **48.5736, 77.4027, 45.1810**, and **11.9420, 22.7420, 7.5016** is the 20% darker color. If you saturate the color by 10%, you get **24.7262, 45.9991, 18.1368**, and if you desaturate by 10%, it is **27.3452, 47.2034, 24.8489**.

Distribution



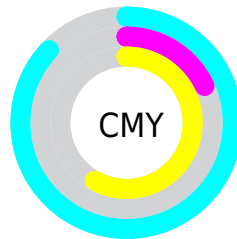
- Red (13%)
- Green (82%)
- Blue (42%)



- Red (13%)
- Yellow (61%)
- Blue (82%)



- Cyan (84%)
- Magenta (0%)
- Yellow (49%)
- Black (18%)



- Cyan (87%)
- Magenta (18%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7846, 46.4757, 21.2474 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 25.7846, 46.4757, 21.2474 by changing the saturation by 10% instead.

■ 25.7846, 46.4757,
21.2474

■ 25.7846, 46.4757,
21.2474

273.9992,
372.7178, 271.4145

■ 16.7944, 32.6214,
13.1120

■ 52.3610, 84.9305,
46.3850

■ 10.1824, 21.8365,
7.3741

■ 70.6780, 110.2997,
64.2243

■ 5.5833, 13.7368,
3.6151

■ 92.8345, 140.2760,
86.1353

■ 2.6316, 7.9379,
1.4167

■ 119.1961,
175.2438, 112.5365

■ 0.9621, 4.0552,
0.1547

■ 150.1280,
215.5875, 143.8465

■ 0.0000, 1.7045,
0.0000

185.9956,

■ 0.0000, 0.4266,

261.6915, 180.4838

0.0000

227.1642,
313.9401, 222.8669

■ 0.0000, 0.0000,
0.0000

■ 25.7846, 46.4757,
21.2474

■ 25.7846, 46.4757,
21.2474

■ 24.7262, 45.9991,
18.1368

■ 27.3452, 47.2034,
24.8489


■ 24.2675, 45.7978,
16.5276


■ 29.4737, 48.2119,
28.9597


■ 32.2289, 49.5324,
33.6008


■ 35.6609, 51.1904,
38.7909

■ 39.8144, 53.2084,
44.5479

 44.7302, 55.6074,
50.8887

 50.4460, 58.4063,
57.8295

 56.9968, 61.6229,
65.3859

 64.4155, 65.2739,
73.5727

Harmonies

Analogous

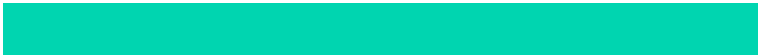
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.0663, 46.4757, 9.7274



25.7846, 46.4757, 21.2474



23.2590, 46.4757, 48.7752

Triad

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



25.7846, 46.4757, 21.2474



43.5304, 46.4757, 164.4645



70.5951, 46.4757, 23.0967

Complementary

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



25.7846, 46.4757, 21.2474



30.9309, 16.2478, 24.4294

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.



74.9100, 46.4757, 52.4782



25.7846, 46.4757, 21.2474



57.5258, 46.4757, 145.7756

Square

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



25.7846, 46.4757, 21.2474



32.1517, 46.4757, 142.0593



69.7151, 46.4757, 99.1181



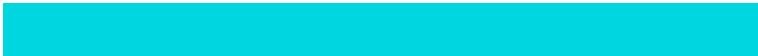
58.8715, 46.4757, 10.3572

Rectangle

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



25.7846, 46.4757, 21.2474



24.1286, 46.4757, 77.5942



69.7151, 46.4757, 99.1181



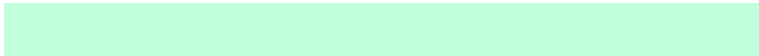
73.0523, 46.4757, 30.7344

Sweetspot

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



25.7858, 46.4776, 21.2485



69.9431, 87.6825, 79.4597



32.8370, 50.3815, 9.4331



14.3583, 18.4686, 16.2281



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.



25.7858, 46.4776, 21.2485



38.3808, 72.5683, 25.7209



32.8567, 49.3060, 58.4835



11.8579, 13.2869, 13.6082



15.1700, 28.5609, 10.5415



0.8874, 1.6126, 0.7956

Inverse Universe

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



30.9309, 16.2478, 24.4294



46.6353, 23.4181, 30.3414



27.0824, 14.7084, 4.1635



12.0935, 11.9222, 13.7684



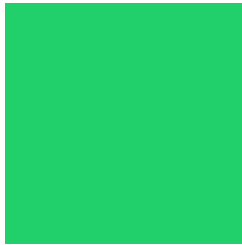
18.4215, 9.2415, 12.3919



1.0691, 0.5324, 0.8987

Previews

White Background



This preview shows how the XYZ color 25.7846, 46.4757, 21.2474 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 25.7846, 46.4757, 21.2474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

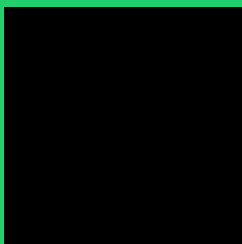
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

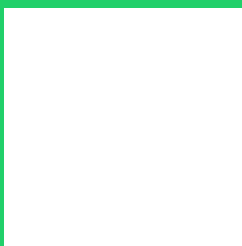
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.7846, 46.4757, 21.2474

Background



This preview shows how black text looks on a background with the XYZ color 25.7846, 46.4757, 21.2474.



This preview shows how white text looks on a background with the XYZ color 25.7846, 46.4757,

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

25.7846, 46.4757, 21.2474

Protanopia

41.7213, 45.4928, 17.6484

Deuteranopia

46.4623, 45.4946, 22.5522



Tritanopia

35.2797, 46.1181, 69.3296

Trichromacy



Original Color

25.7846, 46.4757, 21.2474



Protanomaly

31.1949, 43.1503, 18.7413



Deuteranomaly

32.8513, 42.3518, 21.7725



Tritanomaly

30.3771, 45.4495, 46.7068

Monochromacy



Original Color

25.7846, 46.4757, 21.2474



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.5569, 32.1922, 26.0912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7846, 46.4757, 21.2474 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, 208, 106)` looks like.

```
.text, #text, p{  
    color:rgb(33, 208, 106)  
}
```

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, 208, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 208, 106) }
```

Border

The CSS property to change the border of an element to XYZ 25.7846, 46.4757, 21.2474 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, 208, 106) }
```


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

```
.border{ border-color:rgb(33, 208, 106) }
```

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

Here you see how a box with a 4 pixel rgb(33, 208, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 208, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 208, 106);  
box-shadow:4px 4px 4px 4px rgb(33, 208,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7846, 46.4757, 21.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 208, 106) }
```

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

```
.background{ background-color: rgb(33, 208,  
106) }
```

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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