

Converting Colors

XYZ(23.4826, 46.1829, 20.2821)

Have a look what the booklet for
XYZ(23.4826, 46.1829, 20.2821)
contains.

XYZ(25.4449, 47.0525, 20.3113)	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(25.4449, 47.0525,
20.3113)**

Conversions

Conversions Part 1

Format	Color
Hex	00D266
RGB	0, 210, 102
RGB Percent	0%, 82%, 40%
CMY	0.9999, 0.1765, 0.6000
CMYK	1.00, 0.00, 0.51, 0.18
HSL	149°, 100%, 41%
HSV	149°, 100%, 82%
XYZ	25.4449, 47.0525, 20.3113
YIQ	134.8980, -90.4920, -78.1080

Conversions

Conversions Part 2

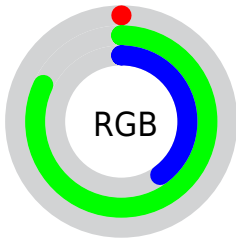
Format	Color
RYB	0, 141, 210
Decimal	53862
CIELab	74.22, -66.65, 41.28
CIELCh	74, 78.395, 148.225
Yxy	47.0525, 0.2742, 0.5070
Android (android.graphics.Color)	4278243942 (0xFF00D266)
YUV	134.8980, -16.2187, -118.3055
Hunter-Lab	68.5948, -53.8273, 30.4603

Details

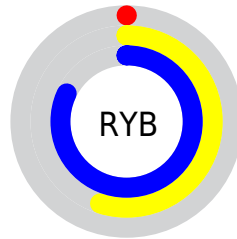
The XYZ color **25.4449, 47.0525, 20.3113** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **29.2871, 14.7855, 15.5018**, and the grayscale version is **23.0758, 24.2776, 26.4383**.

A 20% lighter version of the original color is **47.2699, 76.7701, 43.3371**, and **12.1531, 23.3502, 6.9985** is the 20% darker color. If you saturate the color by 10%, you get **25.4455, 47.0542, 20.3105**, and if you desaturate by 10%, it is **26.3266, 47.4424, 23.3346**.

Distribution



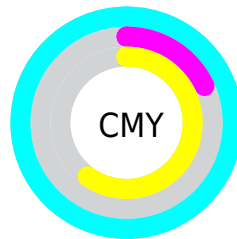
- Red (0%)
- Green (82%)
- Blue (40%)



- Red (0%)
- Yellow (55%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.4449, 47.0525, 20.3113 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 25.4449, 47.0525, 20.3113 by changing the saturation by 10% instead.


 25.4449, 47.0525,
20.3113


 25.4449, 47.0525,
20.3113


272.3533,
375.0240, 266.2552


 16.5393, 33.0772,
12.4352


 51.8158, 85.7920,
44.8043


 9.9999, 22.1856,
6.9147


 70.0118, 111.3249,
62.2583


 5.4611, 13.9933,
3.3312


 92.0353, 141.4792,
83.7420

 2.5578, 8.1160,
1.2661

 118.2518,
176.6391, 109.6740

 0.9245, 4.1693,
0.0338

 149.0264,
217.1892, 140.4727

 0.0000, 1.7687,
0.0000

184.7246,

 0.0000, 0.4675,

263.5138, 176.5568

0.0000

225.7118,
315.9973, 218.3448

■ 0.0000, 0.0000,
0.0000

■ 25.4449, 47.0525,
20.3113

■ 25.4449, 47.0525,
20.3113

■ 25.4455, 47.0542,
20.3105

■ 26.3266, 47.4424,
23.3346

■ 27.6160, 48.0327,
26.7536

■ 29.4297, 48.8848,
30.5873

■ 31.8318, 50.0312,
34.8507

■ 34.8764, 51.4997,
39.5578

■ 38.6113, 53.3147,
44.7218

■ 43.0797, 55.4982,
50.3553

■ 48.3208, 58.0702,
56.4704

■ 54.3712, 61.0493,
63.0788

Harmonies

Analogous

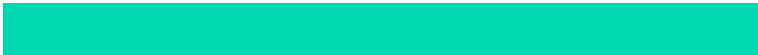
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.1117, 47.0525, 8.8040



25.4449, 47.0525, 20.3113



22.7702, 47.0525, 48.8705

Triad

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



25.4449, 47.0525, 20.3113



43.8896, 47.0525, 174.1976



73.0350, 47.0525, 22.6372

Complementary

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



25.4449, 47.0525, 20.3113



29.2871, 14.7855, 15.5018

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.



77.5673, 47.0525, 53.6687



25.4449, 47.0525, 20.3113



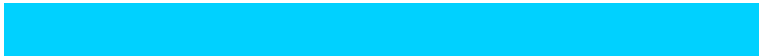
58.7711, 47.0525, 154.2686

Square

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



25.4449, 47.0525, 20.3113



31.9385, 47.0525, 149.3202



71.8795, 47.0525, 103.8011



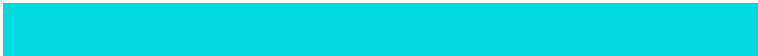
60.5290, 47.0525, 9.5665

Rectangle

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



25.4449, 47.0525, 20.3113



23.6378, 47.0525, 79.4758



71.8795, 47.0525, 103.8011



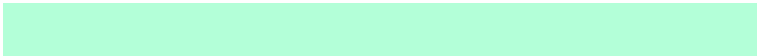
75.6436, 47.0525, 30.6249

Sweetspot

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



25.4461, 47.0544, 20.3124



66.5851, 85.9843, 77.8193



29.2939, 49.3151, 7.9752



13.5924, 18.0815, 15.8419



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.



25.4461, 47.0544, 20.3124



39.3886, 72.9714, 31.0279



34.2495, 50.5758, 66.6709



11.8921, 13.3006, 13.7882



15.5712, 28.7214, 12.6541



0.9107, 1.6219, 0.9183

Inverse Universe

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



29.2871, 14.7855, 15.5018



45.3469, 22.9028, 23.5568



26.5988, 13.7102, 1.3453



12.0589, 11.9083, 13.5860



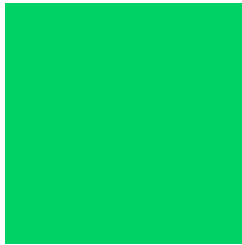
17.9147, 9.0387, 9.7231



1.0417, 0.5214, 0.7544

Previews

White Background



This preview shows how the XYZ color 25.4449, 47.0525, 20.3113 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 25.4449, 47.0525, 20.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

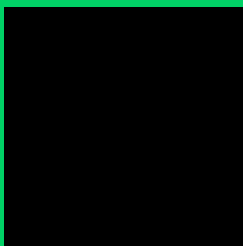
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

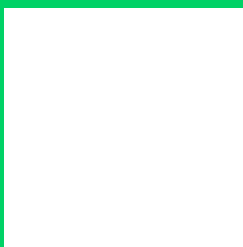
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.4449, 47.0525, 20.3113

Background



This preview shows how black text looks on a background with the XYZ color 25.4449, 47.0525, 20.3113.

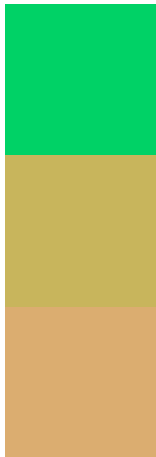


This preview shows how white text looks on a background with the XYZ color 25.4449, 47.0525,

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

25.4449, 47.0525, 20.3113

Protanopia

42.2751, 46.0998, 16.7952

Deuteranopia

47.0816, 46.1171, 21.7492



Tritanopia

35.7250, 46.9925, 70.8059

Trichromacy



Original Color

25.4449, 47.0525, 20.3113



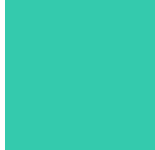
Protanomaly

29.7134, 43.0558, 17.8109



Deuteranomaly

30.9131, 41.6895, 20.6049



Tritanomaly

30.0795, 45.9883, 46.8264

Monochromacy



Original Color

25.4449, 47.0525, 20.3113



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.3332, 29.2492, 23.3129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4449, 47.0525, 20.3113 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(0, 210, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 102)  
}
```

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(0, 210, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 102) }
```

Border

The CSS property to change the border of an element to XYZ 25.4449, 47.0525, 20.3113 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(0, 210, 102) }
```


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

```
.border{ border-color:rgb(0, 210, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4449, 47.0525, 20.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 102) }
```

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

```
.background{ background-color: rgb(0, 210,  
102) }
```

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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