

Converting Colors

XYZ(22.8611, 46.2035, 19.9697)

Have a look what the booklet for
XYZ(22.8611, 46.2035, 19.9697)
contains.

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Color

**XYZ(25.6432, 47.5281,
20.1342)**

Conversions

Conversions Part 1

Format	Color
Hex	00D365
RGB	0, 211, 101
RGB Percent	0%, 83%, 40%
CMY	1.0000, 0.1725, 0.6039
CMYK	1.00, 0.00, 0.52, 0.17
HSL	149°, 100%, 41%
HSV	149°, 100%, 83%
XYZ	25.6432, 47.5281, 20.1342
YIQ	135.3710, -90.4460, -78.9420

Conversions

Conversions Part 2

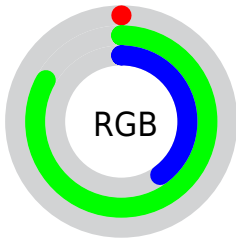
Format	Color
RYB	0, 143, 211
Decimal	54117
CIELab	74.53, -67.12, 42.14
CIELCh	75, 79.247, 147.879
Yxy	47.5281, 0.2748, 0.5094
Android (android.graphics.Color)	4278244197 (0xFF00D365)
YUV	135.3710, -16.9449, -118.7204
Hunter-Lab	68.9406, -54.2511, 30.9427

Details

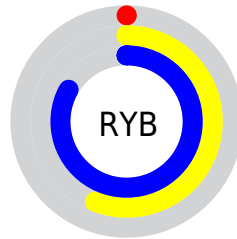
The XYZ color **25.6432, 47.5281, 20.1342** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **29.6800, 14.9756, 16.0806**, and the grayscale version is **23.2538, 24.4648, 26.6422**.

A 20% lighter version of the original color is **47.3017, 76.7962, 42.9019**, and **12.2971, 23.6730, 6.9388** is the 20% darker color. If you saturate the color by 10%, you get **25.6441, 47.5299, 20.1342**, and if you desaturate by 10%, it is **26.5316, 47.9209, 23.1815**.

Distribution



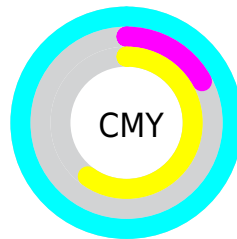
- Red (0%)
- Green (83%)
- Blue (40%)



- Red (0%)
- Yellow (56%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6432, 47.5281, 20.1342 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 25.6432, 47.5281, 20.1342 by changing the saturation by 10% instead.


 25.6432, 47.5281,
20.1342


 25.6432, 47.5281,
20.1342


273.3151,
376.9186, 265.2689


 16.6882, 33.4533,
12.3076

 52.1342, 86.5014,
44.5040

 10.1063, 22.4740,
6.8284


 70.4009, 112.1687,
61.8842


 5.5323, 14.2056,
3.2782


 92.5022, 142.4689,
83.2861

 2.6008, 8.2638,
1.2384

 118.8034,
177.7866, 109.1282

 0.9464, 4.2642,
0.0105

 149.6700,
218.5059, 139.8290

 0.0000, 1.8224,
0.0000

185.4672,

 0.0000, 0.5011,

265.0115, 175.8070

0.0000

226.5605,
317.6876, 217.4808

■ 0.0000, 0.0000,
0.0000

■ 25.6432, 47.5281,
20.1342

■ 25.6432, 47.5281,
20.1342

■ 25.6441, 47.5299,
20.1342

■ 26.5316, 47.9209,
23.1815

■ 27.8340, 48.5171,
26.6379

■ 29.6683, 49.3787,
30.5232

■ 32.0993, 50.5386,
34.8532

■ 35.1822, 52.0250,
39.6424

■ 38.9652, 53.8627,
44.9049

■ 43.4922, 56.0739,
50.6539

■ 48.8029, 58.6789,
56.9020

■ 54.9344, 61.6965,
63.6614

Harmonies

Analogous

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



33.4875, 47.5281, 8.6661



25.6432, 47.5281, 20.1342



22.8738, 47.5281, 48.8868

Triad

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



25.6432, 47.5281, 20.1342



44.1629, 47.5281, 177.2491



74.1323, 47.5281, 22.9494

Complementary

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



25.6432, 47.5281, 20.1342



29.6800, 14.9756, 16.0806

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.



78.6387, 47.5281, 54.7230



25.6432, 47.5281, 20.1342



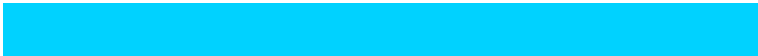
59.3051, 47.5281, 157.3770

Square

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



25.6432, 47.5281, 20.1342



32.0628, 47.5281, 151.3316



72.7239, 47.5281, 105.9961



61.4460, 47.5281, 9.5831

Rectangle

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



25.6432, 47.5281, 20.1342



23.7163, 47.5281, 79.9179



72.7239, 47.5281, 105.9961



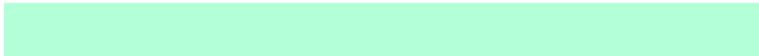
76.7578, 47.5281, 31.1265

Sweetspot

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



25.6444, 47.5300, 20.1353



66.5159, 85.9566, 77.4546



30.0461, 50.0706, 8.0812



13.5760, 18.0749, 15.7559



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.



25.6444, 47.5300, 20.1353



39.2764, 72.9266, 30.4373



34.1908, 50.9486, 65.1402



11.8886, 13.2992, 13.7697



15.5268, 28.7036, 12.4200



0.9082, 1.6209, 0.9051

Inverse Universe

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



29.6800, 14.9756, 16.0806



45.4696, 22.9519, 24.2030



26.9037, 13.8650, 1.4604



12.0624, 11.9097, 13.6047



17.9632, 9.0581, 9.9782



1.0444, 0.5225, 0.7685

Previews

White Background



This preview shows how the XYZ color 25.6432, 47.5281, 20.1342 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 25.6432, 47.5281, 20.1342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

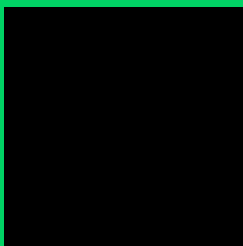
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

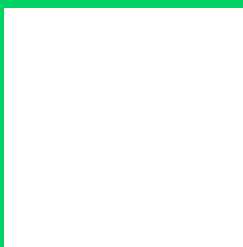
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.6432, 47.5281, 20.1342

Background



This preview shows how black text looks on a background with the XYZ color 25.6432, 47.5281, 20.1342.



This preview shows how white text looks on a background with the XYZ color 25.6432, 47.5281,

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

25.6432, 47.5281, 20.1342

Protanopia

42.7037, 46.6287, 16.6471

Deuteranopia

47.5205, 46.6354, 21.5359



Tritanopia

36.0825, 47.5025, 71.5571

Trichromacy



Original Color

25.6432, 47.5281, 20.1342



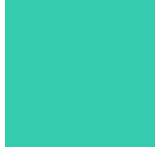
Protanomaly

30.0376, 43.5553, 17.6503



Deuteranomaly

31.2394, 42.1776, 20.4045



Tritanomaly

30.4121, 46.4979, 47.4165

Monochromacy



Original Color

25.6432, 47.5281, 20.1342



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.5101, 29.6029, 23.3718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6432, 47.5281, 20.1342 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, 211, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 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(0, 211, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 101) }
```

Border

The CSS property to change the border of an element to XYZ 25.6432, 47.5281, 20.1342 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, 211, 101) }
```


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

```
.border{ border-color:rgb(0, 211, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 211, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6432, 47.5281, 20.1342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 101) }
```

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

```
.background{ background-color: rgb(0, 211,  
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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