

Converting Colors

XYZ(20.3323, 47.6064, 20.2011)

Have a look what the booklet for
XYZ(20.3323, 47.6064, 20.2011)
contains.

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Color

**XYZ(27.3717, 51.0629,
20.4701)**

Conversions

Conversions Part 1

Format	Color
Hex	00DA64
RGB	0, 218, 100
RGB Percent	0%, 85%, 39%
CMY	0.9999, 0.1451, 0.6078
CMYK	1.00, 0.00, 0.54, 0.15
HSL	148°, 100%, 43%
HSV	148°, 100%, 85%
XYZ	27.3717, 51.0629, 20.4701
YIQ	139.3660, -92.0500, -82.9140

Conversions

Conversions Part 2

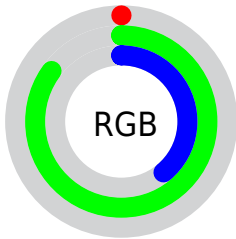
Format	Color
RYB	0, 149, 218
Decimal	55908
CIELab	76.72, -69.46, 45.28
CIELCh	77, 82.915, 146.897
Yxy	51.0629, 0.2767, 0.5163
Android (android.graphics.Color)	4278245988 (0xFF00DA64)
YUV	139.3660, -19.4074, -122.2240
Hunter-Lab	71.4583, -56.6786, 33.0365

Details

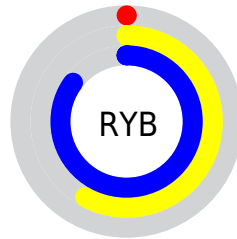
The XYZ color **27.3717, 51.0629, 20.4701** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **32.1856, 16.2147, 18.5776**, and the grayscale version is **24.7823, 26.0729, 28.3934**.

A 20% lighter version of the original color is **47.4536, 76.8841, 42.4760**, and **13.2784, 25.7031, 7.0577** is the 20% darker color. If you saturate the color by 10%, you get **27.3724, 51.0647, 20.4692**, and if you desaturate by 10%, it is **28.3129, 51.4787, 23.7163**.

Distribution



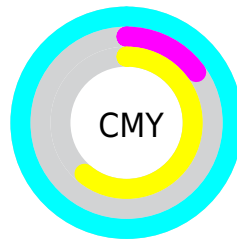
- Red (0%)
- Green (85%)
- Blue (39%)



- Red (0%)
- Yellow (58%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3717, 51.0629, 20.4701 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 27.3717, 51.0629, 20.4701 by changing the saturation by 10% instead.


 27.3717, 51.0629,
20.4701


 27.3717, 51.0629,
20.4701


281.5872,
390.8081, 267.1367


 17.9906, 36.2587,
12.5498


 54.8954, 91.7477,
45.0732


 11.0429, 24.6340,
6.9922


 73.7688, 118.3971,
62.5931


 6.1632, 15.8046,
3.3788


 96.5370, 149.7637,
84.1499

 2.9862, 9.3860,
1.2912

 123.5653,
186.2319, 110.1622

 1.1465, 4.9938,
0.0545

 155.2191,
228.1860, 141.0484

 0.0634, 2.2436,
0.0000

191.8638,

 0.0000, 0.7436,

276.0105, 177.2273

0.0000

233.8647,
330.0897, 219.1172

■ 0.0000, 0.0000,
0.0000

■ 27.3717, 51.0629,
20.4701

■ 27.3717, 51.0629,
20.4701

■ 27.3724, 51.0647,
20.4692

■ 28.3129, 51.4787,
23.7163

■ 29.7078, 52.1170,
27.4319

■ 31.6818, 53.0435,
31.6404

■ 34.3058, 54.2945,
36.3607

■ 37.6397, 55.9004,
41.6104

■ 41.7365, 57.8884,
47.4062

■ 46.6437, 60.2825,
53.7641

■ 52.4049, 63.1049,
60.6991

■ 59.0603, 66.3762,
68.2260

Harmonies

Analogous

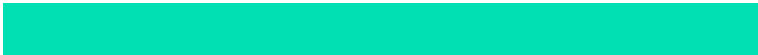
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1104, 51.0629, 8.6303



27.3717, 51.0629, 20.4701



24.1872, 51.0629, 51.0460

Triad

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



27.3717, 51.0629, 20.4701



46.9168, 51.0629, 194.4532



80.7665, 51.0629, 24.9260

Complementary

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



27.3717, 51.0629, 20.4701



32.1856, 16.2147, 18.5776

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.



85.3785, 51.0629, 60.4146



27.3717, 51.0629, 20.4701



63.5225, 51.0629, 173.9475

Square

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



27.3717, 51.0629, 20.4701



33.8344, 51.0629, 164.1209



78.4919, 51.0629, 117.4969



66.9720, 51.0629, 10.0548

Rectangle

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



27.3717, 51.0629, 20.4701



24.9878, 51.0629, 84.7259



78.4919, 51.0629, 117.4969



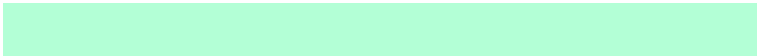
83.5557, 51.0629, 34.0535

Sweetspot

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



27.3730, 51.0650, 20.4713



66.3203, 85.8783, 76.4245



32.8055, 54.1313, 8.7198



13.5299, 18.0565, 15.5132



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.



27.3730, 51.0650, 20.4713



38.9688, 72.8035, 28.8175



36.3478, 54.6549, 67.7320



13.1337, 14.7051, 15.1669



16.4513, 30.6131, 12.5417



1.1089, 2.0005, 1.0398

Inverse Universe

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



32.1856, 16.2147, 18.5776



45.8300, 23.0960, 26.1005



28.9746, 14.9303, 1.6687



13.3493, 13.1688, 15.1008



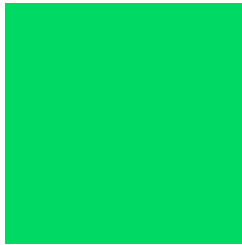
19.3364, 9.7356, 11.4177



1.2960, 0.6480, 0.9678

Previews

White Background



This preview shows how the XYZ color 27.3717, 51.0629, 20.4701 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 27.3717, 51.0629, 20.4701 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

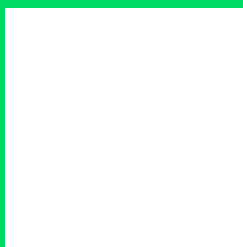
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3717, 51.0629, 20.4701

Background



This preview shows how black text looks on a background with the XYZ color 27.3717, 51.0629, 20.4701.

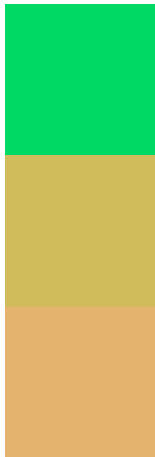


This preview shows how white text looks on a background with the XYZ color 27.3717, 51.0629,

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

27.3717, 51.0629, 20.4701

Protanopia

45.8411, 50.1145, 16.9298

Deuteranopia

50.9295, 49.8600, 21.6915



Tritanopia

38.7625, 50.8679, 76.8827

Trichromacy



Original Color

27.3717, 51.0629, 20.4701



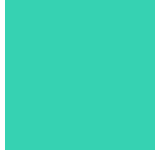
Protanomaly

31.9595, 46.5605, 17.8923



Deuteranomaly

33.3485, 45.2003, 20.6025



Tritanomaly

32.6038, 50.0918, 50.0698

Monochromacy



Original Color

27.3717, 51.0629, 20.4701



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.7288, 31.5606, 24.3486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3717, 51.0629, 20.4701 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, 218, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 100)  
}
```

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, 218, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 100) }
```

Border

The CSS property to change the border of an element to XYZ 27.3717, 51.0629, 20.4701 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, 218, 100) }
```


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

```
.border{ border-color:rgb(0, 218, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3717, 51.0629, 20.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 100) }
```

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

```
.background{ background-color: rgb(0, 218,  
100) }
```

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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