

Converting Colors

XYZ(27.7996, 51.7756, 21.0539)

Have a look what the booklet for
XYZ(27.7996, 51.7756, 21.0539)
contains.

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Color

**XYZ(27.7298, 51.6223,
21.0730)**

Conversions

Conversions Part 1

Format	Color
Hex	00DB66
RGB	0, 219, 102
RGB Percent	0%, 86%, 40%
CMY	0.9999, 0.1412, 0.6000
CMYK	1.00, 0.00, 0.53, 0.14
HSL	148°, 100%, 43%
HSV	148°, 100%, 86%
XYZ	27.7298, 51.6223, 21.0730
YIQ	140.1810, -92.9670, -82.8150

Conversions

Conversions Part 2

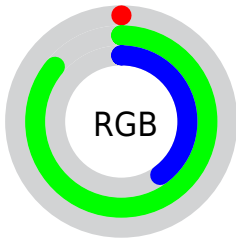
Format	Color
RYB	0, 149, 219
Decimal	56166
CIELab	77.05, -69.48, 44.75
CIELCh	77, 82.643, 147.214
Yxy	51.6223, 0.2761, 0.5140
Android (android.graphics.Color)	4278246246 (0xFF00DB66)
YUV	140.1810, -18.8232, -122.9387
Hunter-Lab	71.8487, -56.8436, 32.9045

Details

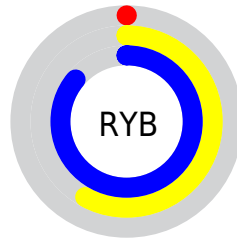
The XYZ color **27.7298, 51.6223, 21.0730** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **32.4263, 16.3456, 18.2796**, and the grayscale version is **25.0968, 26.4037, 28.7537**.

A 20% lighter version of the original color is **47.6203, 76.9507, 43.3535**, and **13.4961, 26.0710, 7.3385** is the 20% darker color. If you saturate the color by 10%, you get **27.7306, 51.6242, 21.0724**, and if you desaturate by 10%, it is **28.6819, 52.0427, 24.3650**.

Distribution



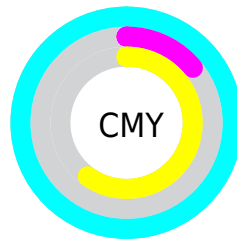
- Red (0%)
- Green (86%)
- Blue (40%)



- Red (0%)
- Yellow (58%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (14%)



- Cyan (100%)
- Magenta (14%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7298, 51.6223, 21.0730 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 27.7298, 51.6223, 21.0730 by changing the saturation by 10% instead.

■ 27.7298, 51.6223,
21.0730

■ 27.7298, 51.6223,
21.0730

283.2771,
392.9767, 270.4600

■ 18.2615, 36.7041,
12.9856

■ 55.4644, 92.5740,
46.0914

■ 11.2387, 24.9785,
7.2880

■ 74.4615, 119.3762,
63.8594

■ 6.2961, 16.0610,
3.5617

■ 97.3654, 150.9087,
85.6914

■ 3.0683, 9.5673,
1.3881

■ 124.5417,
187.5556, 112.0060

■ 1.1900, 5.1130,
0.1324

■ 156.3557,
229.7015, 143.2215

■ 0.0984, 2.3137,
0.0000

193.1727,

■ 0.0000, 0.7810,

277.7307, 179.7567

0.0000

235.3580,
332.0277, 222.0300

■ 0.0000, 0.0000,
0.0000

■ 27.7298, 51.6223,
21.0730

■ 27.7298, 51.6223,
21.0730

■ 27.7306, 51.6242,
21.0724

■ 28.6819, 52.0427,
24.3650

■ 30.0908, 52.6873,
28.1216

■ 32.0829, 53.6225,
32.3658

■ 34.7299, 54.8846,
37.1161

■ 38.0923, 56.5047,
42.3895

■ 42.2233, 58.5100,
48.2025

■ 47.1711, 60.9248,
54.5706

■ 52.9795, 63.7716,
61.5084

■ 59.6893, 67.0711,
69.0303

Harmonies

Analogous

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



36.4616, 51.6223, 8.9452



27.7298, 51.6223, 21.0730



24.5792, 51.6223, 52.0907

Triad

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



27.7298, 51.6223, 21.0730



47.6060, 51.6223, 195.2551



81.2808, 51.6223, 25.1084

Complementary

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



27.7298, 51.6223, 21.0730



32.4263, 16.3456, 18.2796

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.



86.0201, 51.6223, 60.5365



27.7298, 51.6223, 21.0730



64.2831, 51.6223, 174.2397

Square

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



27.7298, 51.6223, 21.0730



34.4066, 51.6223, 165.4169



79.2343, 51.6223, 117.5817



67.3891, 51.6223, 10.2432

Rectangle

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



27.7298, 51.6223, 21.0730



25.4229, 51.6223, 86.0306



79.2343, 51.6223, 117.5817



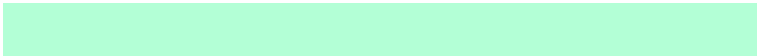
84.1113, 51.6223, 34.2222

Sweetspot

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



27.7311, 51.6244, 21.0742



66.3890, 85.9058, 76.7867



33.1419, 54.6908, 8.8100



13.5461, 18.0630, 15.5985



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.



27.7311, 51.6244, 21.0742



39.0754, 72.8462, 29.3788



36.7245, 55.2218, 68.4327



13.1376, 14.7067, 15.1875



16.4965, 30.6312, 12.7800



1.1120, 2.0017, 1.0557

Inverse Universe

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



32.4263, 16.3456, 18.2796



45.7009, 23.0444, 25.4210



29.2748, 15.0850, 1.6842



13.3454, 13.1673, 15.0800



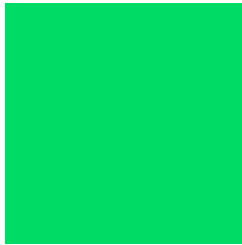
19.2822, 9.7139, 11.1318



1.2926, 0.6467, 0.9496

Previews

White Background



This preview shows how the XYZ color 27.7298, 51.6223, 21.0730 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 27.7298, 51.6223, 21.0730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

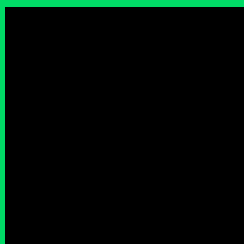
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7298, 51.6223, 21.0730

Background



This preview shows how black text looks on a background with the XYZ color 27.7298, 51.6223, 21.0730.

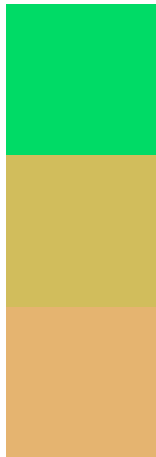


This preview shows how white text looks on a background with the XYZ color 27.7298, 51.6223,

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

27.7298, 51.6223, 21.0730

Protanopia

46.4239, 50.7232, 17.4690

Deuteranopia

51.5590, 50.4704, 22.3535



Tritanopia

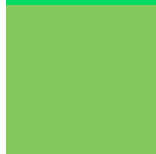
39.1369, 51.4016, 77.6708

Trichromacy



Original Color

27.7298, 51.6223, 21.0730



Protanomaly

32.4385, 47.1396, 18.4555



Deuteranomaly

33.8526, 45.7773, 21.2390



Tritanomaly

32.9523, 50.6275, 50.6831

Monochromacy



Original Color

27.7298, 51.6223, 21.0730



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

22.0737, 32.0061, 24.7531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7298, 51.6223, 21.0730 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, 219, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 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, 219, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 102) }
```

Border

The CSS property to change the border of an element to XYZ 27.7298, 51.6223, 21.0730 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, 219, 102) }
```


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

```
.border{ border-color:rgb(0, 219, 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, 219, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7298, 51.6223, 21.0730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 102) }
```

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

```
.background{ background-color: rgb(0, 219,  
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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