

Converting Colors

XYZ(27.6016, 48.5734, 29.5106)

Have a look what the booklet for
XYZ(27.6016, 48.5734, 29.5106)
contains.

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Color

**XYZ(27.6653, 48.7386,
29.4221)**

Conversions

Conversions Part 1

Format	Color
Hex	02D483
RGB	2, 212, 131
RGB Percent	1%, 83%, 51%
CMY	0.9921, 0.1686, 0.4863
CMYK	0.99, 0.00, 0.38, 0.17
HSL	157°, 98%, 42%
HSV	157°, 99%, 83%
XYZ	27.6653, 48.7386, 29.4221
YIQ	139.9760, -99.1590, -69.7110

Conversions

Conversions Part 2

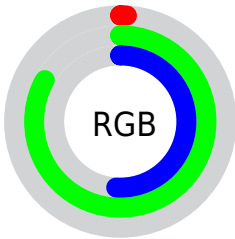
Format	Color
RYB	2, 132, 212
Decimal	185475
CIELab	75.29, -62.12, 28.09
CIELCh	75, 68.180, 155.667
Yxy	48.7386, 0.2614, 0.4606
Android (android.graphics.Color)	4278375555 (0xFF02D483)
YUV	139.9760, -4.4252, -121.0050
Hunter-Lab	69.8130, -51.4374, 23.8819

Details

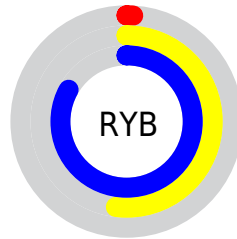
The XYZ color **27.6653, 48.7386, 29.4221** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **28.7365, 14.6663, 9.5044**, and the grayscale version is **24.9652, 26.2654, 28.6030**.

A 20% lighter version of the original color is **50.2259, 77.9658, 58.3007**, and **13.3737, 24.3710, 11.7838** is the 20% darker color. If you saturate the color by 10%, you get **27.5886, 48.7064, 29.1448**, and if you desaturate by 10%, it is **28.5762, 49.1429, 32.4747**.

Distribution



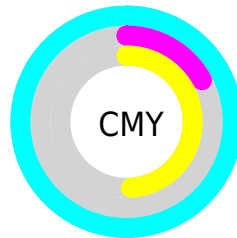
- Red (1%)
- Green (83%)
- Blue (51%)



- Red (1%)
- Yellow (52%)
- Blue (83%)



- Cyan (99%)
- Magenta (0%)
- Yellow (38%)
- Black (17%)





- Cyan (99%)
- Magenta (17%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6653, 48.7386, 29.4221 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 27.6653, 48.7386, 29.4221 by changing the saturation by 10% instead.


 27.6653, 48.7386,
29.4221


 27.6653, 48.7386,
29.4221


282.9733,
381.7123, 313.3244


 18.2127, 34.4122,
19.1520


 55.3620, 88.3031,
59.7972


 11.2034, 23.2104,
11.6023


 74.3368, 114.3099,
80.7394


 6.2721, 14.7490,
6.3542


 97.2164, 144.9791,
106.0759

 3.0535, 8.6434,
2.9894

 124.3661,
180.6948, 136.2255

 1.1821, 4.5093,
1.0892

 156.1513,
221.8416, 171.6066

 0.0922, 1.9624,
0.0000

192.9373,

 0.0000, 0.5855,

268.8039, 212.6377

0.0000

235.0895,
321.9660, 259.7375

■ 0.0000, 0.0000,
0.0000

■ 27.6653, 48.7386,
29.4221

■ 27.6653, 48.7386,
29.4221

■ 27.5886, 48.7064,
29.1448

■ 28.5762, 49.1429,
32.4747

■ 29.8959, 49.7515,
35.7788

■ 31.7273, 50.6185,
39.3453

■ 34.1334, 51.7765,
43.1818

■ 37.1675, 53.2527,
47.2956

■ 40.8770, 55.0715,
51.6932

■ 45.3040, 57.2546,
56.3812

■ 50.4876, 59.8219,
61.3655

■ 56.4637, 62.7918,
66.6520

Harmonies

Analogous

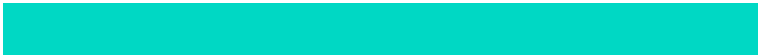
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6549, 48.7386, 14.4448



27.6653, 48.7386, 29.4221



26.2563, 48.7386, 60.1730

Triad

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



27.6653, 48.7386, 29.4221



48.7432, 48.7386, 155.5279



68.7710, 48.7386, 22.1584

Complementary

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



27.6653, 48.7386, 29.4221



28.7365, 14.6663, 9.5044

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.



74.6563, 48.7386, 46.5456



27.6653, 48.7386, 29.4221



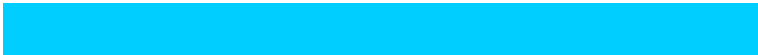
61.8312, 48.7386, 131.1264

Square

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



27.6653, 48.7386, 29.4221



37.0940, 48.7386, 143.9702



71.9119, 48.7386, 86.8579



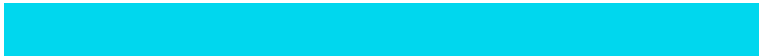
56.9719, 48.7386, 11.7693

Rectangle

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



27.6653, 48.7386, 29.4221



27.8336, 48.7386, 88.8937



71.9119, 48.7386, 86.8579



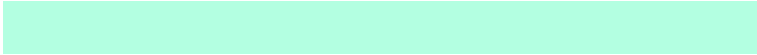
71.5948, 48.7386, 28.4514

Sweetspot

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



27.6666, 48.7405, 29.4232



67.8926, 86.5073, 84.7044



27.3945, 49.0723, 8.0861



13.9024, 18.2055, 17.4744



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.



27.6666, 48.7405, 29.4232



41.8145, 73.9418, 43.8027



30.5414, 42.0306, 68.7927



12.5797, 14.0229, 14.8674



17.0815, 30.0880, 18.2569



1.0702, 1.8307, 1.3114

Inverse Universe

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



28.7365, 14.6663, 9.5044



43.4620, 22.1488, 13.6307



27.4703, 14.6156, 1.4313



12.6196, 12.4993, 13.9368



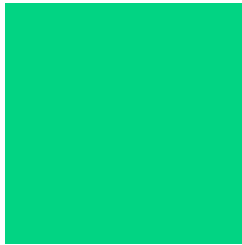
17.7425, 9.0333, 5.9482



1.1100, 0.5608, 0.5687

Previews

White Background



This preview shows how the XYZ color 27.6653, 48.7386, 29.4221 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 27.6653, 48.7386, 29.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

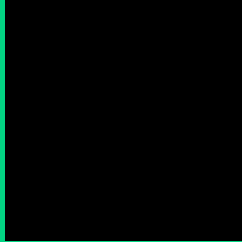
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6653, 48.7386, 29.4221

Background



This preview shows how black text looks on a background with the XYZ color 27.6653, 48.7386, 29.4221.

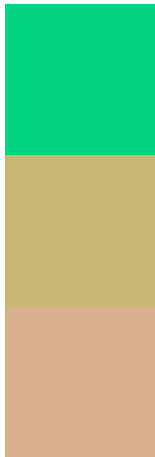


This preview shows how white text looks on a background with the XYZ color 27.6653, 48.7386,

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

27.6653, 48.7386, 29.4221

Protanopia

44.2897, 47.8922, 24.3626

Deuteranopia

48.5044, 47.5137, 31.0407



Tritanopia

36.7559, 48.8395, 73.8194

Trichromacy



Original Color

27.6653, 48.7386, 29.4221



Protanomaly

31.7690, 44.6028, 25.6737



Deuteranomaly

33.1228, 43.5760, 29.9578



Tritanomaly

32.2009, 48.3408, 54.0879

Monochromacy



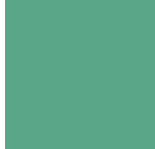
Original Color

27.6653, 48.7386, 29.4221



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

22.3680, 31.2522, 28.5203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6653, 48.7386, 29.4221 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(2, 212, 131)` looks like.

```
.text, #text, p{  
    color:rgb(2, 212, 131)  
}
```

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(2, 212, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 212, 131) }
```

Border

The CSS property to change the border of an element to XYZ 27.6653, 48.7386, 29.4221 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(2, 212, 131) }
```


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

```
.border{ border-color:rgb(2, 212, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 212, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 212, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 212, 131);  
box-shadow:4px 4px 4px 4px rgb(2, 212,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6653, 48.7386, 29.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 212, 131) }
```

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

```
.background{ background-color: rgb(2, 212,  
131) }
```

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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