

Converting Colors

XYZ(22.2170, 45.6299, 16.5073)

Have a look what the booklet for
XYZ(22.2170, 45.6299, 16.5073)
contains.

XYZ(24.7263, 46.7651, 16.5275)	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(24.7263, 46.7651,
16.5275)**

Conversions

Conversions Part 1

Format	Color
Hex	00D256
RGB	0, 210, 86
RGB Percent	0%, 82%, 34%
CMY	1.0000, 0.1765, 0.6627
CMYK	1.00, 0.00, 0.59, 0.18
HSL	145°, 100%, 41%
HSV	145°, 100%, 82%
XYZ	24.7263, 46.7651, 16.5275
YIQ	133.0740, -85.3560, -83.0840

Conversions

Conversions Part 2

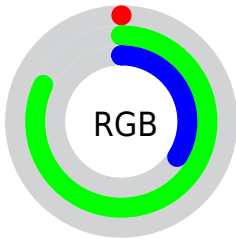
Format	Color
RYB	0, 149, 210
Decimal	53846
CIELab	74.04, -68.91, 48.55
CIELCh	74, 84.301, 144.834
Yxy	46.7651, 0.2809, 0.5313
Android (android.graphics.Color)	4278243926 (0xFF00D256)
YUV	133.0740, -23.2075, -116.7059
Hunter-Lab	68.3850, -55.1327, 33.5401

Details

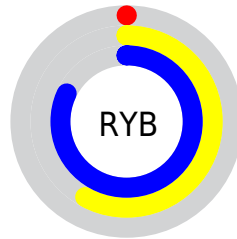
The XYZ color **24.7263, 46.7651, 16.5275** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **30.2178, 15.1576, 20.4032**, and the grayscale version is **22.4267, 23.5946, 25.6945**.

A 20% lighter version of the original color is **46.1291, 76.3271, 36.7275**, and **11.8163, 23.2155, 5.2248** is the 20% darker color. If you saturate the color by 10%, you get **24.7273, 46.7669, 16.5280**, and if you desaturate by 10%, it is **25.5806, 47.1440, 19.4070**.

Distribution



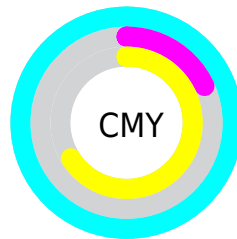
- Red (0%)
- Green (82%)
- Blue (34%)



- Red (0%)
- Yellow (58%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (18%)



- Cyan (100%)
- Magenta (18%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7263, 46.7651, 16.5275 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 24.7263, 46.7651, 16.5275 by changing the saturation by 10% instead.

■ 24.7263, 46.7651,
16.5275

■ 24.7263, 46.7651,
16.5275

268.8450,
373.8761, 244.3857

■ 16.0009, 32.8500,
9.7398

■ 50.6590, 85.3629,
38.2910

■ 9.6156, 22.0116,
5.1234

■ 68.5969, 110.8144,
54.1039

■ 5.2052, 13.8654,
2.2599

■ 90.3364, 140.8801,
73.7624

■ 2.4041, 8.0271,
0.7086

■ 116.2429,
175.9444, 97.6848

■ 0.8472, 4.1123,
0.0000

■ 146.6816,
216.3918, 126.2898

■ 0.0000, 1.7366,
0.0000

182.0180,

■ 0.0000, 0.4472,

262.6066, 159.9959

0.0000

222.6173,
314.9733, 199.2217

■ 0.0000, 0.0000,
0.0000

■ 24.7263, 46.7651,
16.5275

■ 24.7263, 46.7651,
16.5275

■ 24.7273, 46.7669,
16.5280

■ 25.5806, 47.1440,
19.4070

■ 26.8610, 47.7308,
22.7797

■ 28.6857, 48.5872,
26.6724

■ 31.1201, 49.7465,
31.1074

■ 34.2196, 51.2369,
36.1052

■ 38.0333, 53.0834,
41.6854

■ 42.6054, 55.3083,
47.8666

■ 47.9762, 57.9321,
54.6663

■ 54.1833, 60.9739,
62.1014

Harmonies

Analogous

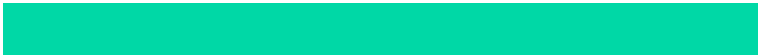
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.3600, 46.7651, 6.6431



24.7263, 46.7651, 16.5275



21.3923, 46.7651, 43.8091

Triad

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



24.7263, 46.7651, 16.5275



41.8914, 46.7651, 186.2705



76.2573, 46.7651, 23.4218

Complementary

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



24.7263, 46.7651, 16.5275



30.2178, 15.1576, 20.4032

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.



79.9863, 46.7651, 58.7599



24.7263, 46.7651, 16.5275



57.7571, 46.7651, 169.3961

Square

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



24.7263, 46.7651, 16.5275



29.7666, 46.7651, 153.2897



72.5804, 46.7651, 115.1962



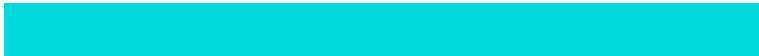
63.3050, 46.7651, 8.7557

Rectangle

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



24.7263, 46.7651, 16.5275



21.9172, 46.7651, 75.2458



72.5804, 46.7651, 115.1962



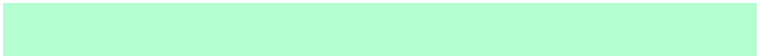
78.7388, 46.7651, 32.4977

Sweetspot

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



24.7274, 46.7670, 16.5286



65.8465, 85.6888, 73.9299



31.6523, 50.5310, 8.0853



13.4186, 18.0120, 14.9270



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

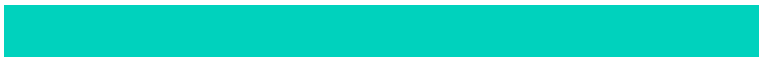
The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.7274, 46.7670, 16.5286



38.2805, 72.5282, 25.1928



32.2333, 49.7693, 56.0538



11.8541, 13.2854, 13.5883



15.1299, 28.5449, 10.3299



0.8849, 1.6116, 0.7829

Inverse Universe

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



30.2178, 15.1576, 20.4032



46.7912, 23.4805, 31.1621



26.7148, 13.7564, 1.9569



12.0974, 11.9237, 13.7887



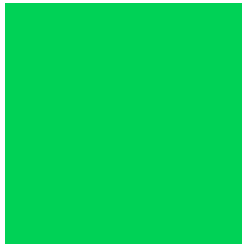
18.4826, 9.2659, 12.7135



1.0723, 0.5336, 0.9156

Previews

White Background



This preview shows how the XYZ color 24.7263, 46.7651, 16.5275 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 24.7263, 46.7651, 16.5275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

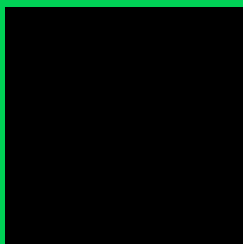
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.7263, 46.7651, 16.5275

Background



This preview shows how black text looks on a background with the XYZ color 24.7263, 46.7651, 16.5275.



This preview shows how white text looks on a background with the XYZ color 24.7263, 46.7651,

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

24.7263, 46.7651, 16.5275

Protanopia

41.9508, 46.0011, 13.6892

Deuteranopia

46.7290, 45.7403, 17.6751



Tritanopia

35.5438, 46.5756, 70.0674

Trichromacy



Original Color

24.7263, 46.7651, 16.5275



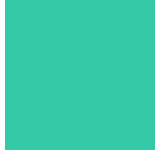
Protanomaly

29.1997, 42.8677, 14.3247



Deuteranomaly

30.5192, 41.5708, 16.7714



Tritanomaly

29.5638, 45.7880, 43.8390

Monochromacy



Original Color

24.7263, 46.7651, 16.5275



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.6436, 28.6820, 21.0238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7263, 46.7651, 16.5275 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 86) }
```

Border

The CSS property to change the border of an element to XYZ 24.7263, 46.7651, 16.5275 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, 86) }
```


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

```
.border{ border-color:rgb(0, 210, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 210, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.7263, 46.7651, 16.5275 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, 86) }
```

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

```
.background{ background-color: rgb(0, 210,  
86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor