

Converting Colors

XYZ(16.6822, 32.3050, 8.8267)

Have a look what the booklet for
XYZ(16.6822, 32.3050, 8.8267)
contains.

XYZ(16.7860, 32.5065, 8.8797)	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(16.7860, 32.5065,
8.8797)**

Conversions

Conversions Part 1

Format	Color
Hex	00B336
RGB	0, 179, 54
RGB Percent	0%, 70%, 21%
CMY	1.0000, 0.2980, 0.7882
CMYK	1.00, 0.00, 0.70, 0.30
HSL	138°, 100%, 35%
HSV	138°, 100%, 70%
XYZ	16.7860, 32.5065, 8.8797
YIQ	111.2290, -66.5590, -76.8230

Conversions

Conversions Part 2

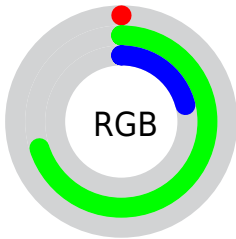
Format	Color
RYB	0, 138, 179
Decimal	45878
CIELab	63.76, -63.26, 50.78
CIELCh	64, 81.126, 141.245
Yxy	32.5065, 0.2886, 0.5588
Android (android.graphics.Color)	4278235958 (0xFF00B336)
YUV	111.2290, -28.2139, -97.5478
Hunter-Lab	57.0145, -47.2220, 30.6760

Details

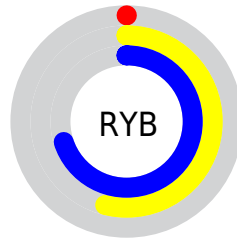
The XYZ color **16.7860, 32.5065, 8.8797** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.2934, 11.0652, 20.3657**, and the grayscale version is **15.2708, 16.0660, 17.4959**.

A 20% lighter version of the original color is **37.4732, 63.5392, 24.1992**, and **7.2077, 14.4153, 2.4026** is the 20% darker color. If you saturate the color by 10%, you get **16.7865, 32.5077, 8.8796**, and if you desaturate by 10%, it is **17.3668, 32.7685, 10.6423**.

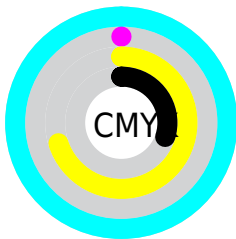
Distribution



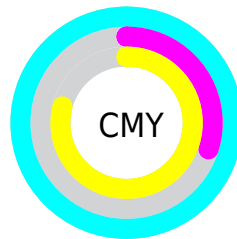
- Red (0%)
- Green (70%)
- Blue (21%)



- Red (0%)
- Yellow (54%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7860, 32.5065, 8.8797 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 16.7860, 32.5065, 8.8797 by changing the saturation by 10% instead.


 16.7860, 32.5065,
8.8797


 16.7860, 32.5065,
8.8797


227.1165,
313.4201, 192.6628


 10.1764, 21.7487,
4.5671


 37.5040, 63.6043,
24.2398


 5.5792, 13.6723,
1.9413


 52.3431, 84.7130,
36.1244


 2.6292, 7.8931,
0.5188


 70.6561, 110.0408,
51.3700

 0.9608, 4.0266,
0.0000

 92.8083, 139.9721,
70.3952

 0.0000, 1.6885,
0.0000

 119.1651,
174.8913, 93.6186

 0.0000, 0.4162,
0.0000

 150.0918,

 0.0000, 0.0000,

215.1828, 121.4586

0.0000

185.9538,
261.2309, 154.3338

■ 16.7860, 32.5065,
8.8797

■ 16.7860, 32.5065,
8.8797

■ 16.7865, 32.5077,
8.8796

■ 17.3668, 32.7685,
10.6423

■ 18.2531, 33.1777,
12.8401

■ 19.5368, 33.7818,
15.5032

■ 21.2633, 34.6038,
18.6569

■ 23.4717, 35.6634,
22.3247

■ 26.1967, 36.9780,
26.5283

■ 29.4694, 38.5631,
31.2882

■ 33.3186, 40.4334,
36.6240

■ 37.7711, 42.6021,
42.5541

Harmonies

Analogous

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



23.6293, 32.5065, 3.2285



16.7860, 32.5065, 8.8797



13.9287, 32.5065, 26.6897

Triad

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



16.7860, 32.5065, 8.8797



27.6853, 32.5065, 140.4192



56.0949, 32.5065, 17.2023

Complementary

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



16.7860, 32.5065, 8.8797



22.2934, 11.0652, 20.3657

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.



57.9478, 32.5065, 45.8109



16.7860, 32.5065, 8.8797



39.5189, 32.5065, 131.7643

Square

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



16.7860, 32.5065, 8.8797



19.1274, 32.5065, 110.1624



51.2845, 32.5065, 90.8712



46.7107, 32.5065, 5.5717

Rectangle

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



16.7860, 32.5065, 8.8797



14.0259, 32.5065, 49.0680



51.2845, 32.5065, 90.8712



57.6972, 32.5065, 24.5305

Sweetspot

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



16.7868, 32.5078, 8.8804



52.4521, 68.9054, 55.5729



24.6228, 36.6244, 5.7717



11.0572, 14.9928, 11.5025



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.7868, 32.5078, 8.8804



29.9762, 58.1836, 15.4449



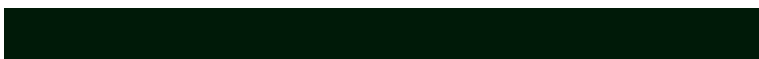
21.0942, 34.2308, 31.5633



8.4910, 9.5309, 9.5792



11.8874, 22.9809, 6.4099



0.4006, 0.7337, 0.3414

Inverse Universe

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



22.2934, 11.0652, 20.3657



39.8210, 19.7746, 35.9242



18.9067, 9.7105, 2.5316



8.7387, 8.6022, 10.1222



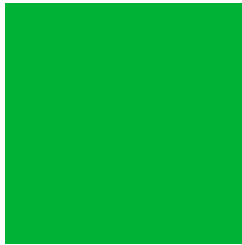
15.7826, 7.8306, 14.5473



0.5210, 0.2561, 0.5860

Previews

White Background



This preview shows how the XYZ color 16.7860, 32.5065, 8.8797 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 16.7860, 32.5065, 8.8797 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 16.7860, 32.5065, 8.8797

Background



This preview shows how black text looks on a background with the XYZ color 16.7860, 32.5065, 8.8797.



This preview shows how white text looks on a background with the XYZ color 16.7860, 32.5065,

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

16.7860, 32.5065, 8.8797

Protanopia

29.0819, 32.0871, 7.3500

Deuteranopia

32.4975, 31.8983, 9.5984



Tritanopia

24.9069, 32.3901, 48.6552

Trichromacy



Original Color

16.7860, 32.5065, 8.8797



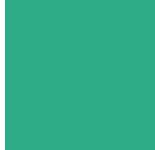
Protanomaly

19.9796, 29.6759, 7.6926



Deuteranomaly

20.9815, 28.8665, 9.0234



Tritanomaly

20.0628, 31.4559, 27.9359

Monochromacy



Original Color

16.7860, 32.5065, 8.8797



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.2482, 19.6861, 12.7744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7860, 32.5065, 8.8797 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, 179, 54)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 54)  
}
```

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, 179, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 54) }
```

Border

The CSS property to change the border of an element to XYZ 16.7860, 32.5065, 8.8797 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, 179, 54) }
```


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

```
.border{ border-color:rgb(0, 179, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 54);  
box-shadow:4px 4px 4px 4px rgb(0, 179, 54)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.7860, 32.5065, 8.8797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 54) }
```

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

```
.background{ background-color: rgb(0, 179,  
54) }
```

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