

Converting Colors

XYZ(30.8377, 58.5282, 19.9815)

Have a look what the booklet for
XYZ(30.8377, 58.5282, 19.9815)
contains.

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Color

**XYZ(30.8324, 58.5035,
20.0232)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00E85D |
| RGB | 0, 232, 93 |
| RGB Percent | 0%, 91%, 36% |
| CMY | 1.0000, 0.0902, 0.6353 |
| CMYK | 1.00, 0.00, 0.60, 0.09 |
| HSL | 144°, 100%, 45% |
| HSV | 144°, 100%, 91% |
| XYZ | 30.8324, 58.5035, 20.0232 |
| YIQ | 146.7860, -93.6530, -92.4130 |

Conversions

Conversions Part 2

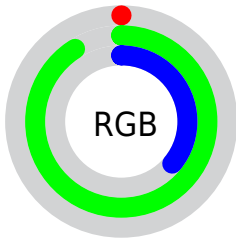
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 166, 232 |
| Decimal | 59485 |
| CIELab | 81.02, -74.63, 53.54 |
| CIELCh | 81, 91.847, 144.344 |
| Yxy | 58.5035, 0.2819, 0.5350 |
| Android (android.graphics.Color) | 4278249565 (0xFF00E85D) |
| YUV | 146.7860, -26.5165, -128.7313 |
| Hunter-Lab | 76.4876, -61.8993, 38.0202 |

Details

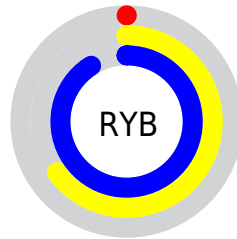
The XYZ color **30.8324, 58.5035, 20.0232** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **37.9411, 19.0211, 26.1019**, and the grayscale version is **27.7808, 29.2275, 31.8288**.

A 20% lighter version of the original color is **47.4569, 76.9416, 39.9537**, and **15.6798, 30.7999, 6.9523** is the 20% darker color. If you saturate the color by 10%, you get **30.8334, 58.5057, 20.0230**, and if you desaturate by 10%, it is **31.8648, 58.9596, 23.5846**.

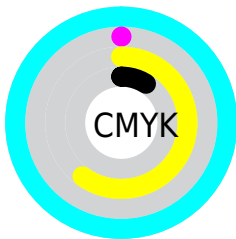
Distribution



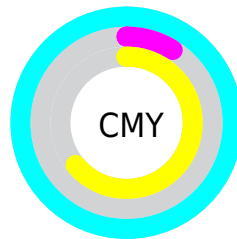
- Red (0%)
- Green (91%)
- Blue (36%)



- Red (0%)
- Yellow (65%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8324, 58.5035, 20.0232 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 30.8324, 58.5035, 20.0232 by changing the saturation by 10% instead.


 30.8324, 58.5035,
20.0232


 30.8324, 58.5035,
20.0232


297.6061,
419.0595, 264.6491

 20.6225, 42.2136,
12.2277


 60.3537, 102.6557,
44.3156


 12.9592, 29.2686,
6.7745


 80.3959, 131.2868,
61.6495


 7.4773, 19.2841,
3.2452


 104.4461,
164.8003, 82.9999

 3.8113, 11.8757,
1.2211

 132.8697,
203.5808, 108.7854

 1.5959, 6.6591,
0.0000

 166.0322,
248.0125, 139.4246

 0.3898, 3.2498,
0.0000

204.2989,

 0.0000, 1.2635,

298.4800, 175.3359

0.0000

248.0351,
355.3675, 216.9378

■ 0.0000, 0.1127,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.8324, 58.5035,
20.0232

■ 30.8324, 58.5035,
20.0232

■ 30.8334, 58.5057,
20.0230


■ 31.8648, 58.9596,
23.5846


■ 33.4423, 59.6816,
27.7837


■ 35.7081, 60.7441,
32.6561


■ 38.7464, 62.1902,
38.2311

 42.6287, 64.0560,
44.5366

 47.4177, 66.3735,
51.5984

 53.1702, 69.1714,
59.4412

 59.9379, 72.4759,
68.0885

 67.7690, 76.3114,
77.5628

Harmonies

Analogous

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



41.8289, 58.5035, 7.9500



30.8324, 58.5035, 20.0232



26.5338, 58.5035, 53.9085

Triad

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



30.8324, 58.5035, 20.0232



52.0725, 58.5035, 235.5683



96.1122, 58.5035, 29.4979

Complementary

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



30.8324, 58.5035, 20.0232



37.9411, 19.0211, 26.1019

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.



100.6157, 58.5035, 74.6115



30.8324, 58.5035, 20.0232



72.1175, 58.5035, 215.1021

Square

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



30.8324, 58.5035, 20.0232



36.8661, 58.5035, 192.6552



91.0048, 58.5035, 146.5323



79.8142, 58.5035, 10.8224

Rectangle

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



30.8324, 58.5035, 20.0232



27.1267, 58.5035, 93.3929



91.0048, 58.5035, 146.5323



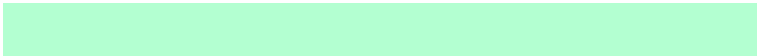
99.1913, 58.5035, 41.0804

Sweetspot

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



30.8338, 58.5059, 20.0245



65.7641, 85.6558, 73.4956



39.5398, 63.2222, 10.1195



13.3993, 18.0043, 14.8252



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.



30.8338, 58.5059, 20.0245



38.1690, 72.4836, 24.6055



40.3423, 62.3093, 70.0955



14.4275, 16.1844, 16.5159



17.1752, 32.5022, 11.4227



1.3141, 2.4198, 1.0805

Inverse Universe

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



37.9411, 19.0211, 26.1019



46.9720, 23.5528, 32.1142



33.4369, 17.2194, 2.3831



14.7377, 14.5123, 16.8192



21.1262, 10.5847, 14.8255



1.6068, 0.8004, 1.3357

Previews

White Background



This preview shows how the XYZ color 30.8324, 58.5035, 20.0232 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 30.8324, 58.5035, 20.0232 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 30.8324, 58.5035, 20.0232

Background



This preview shows how black text looks on a background with the XYZ color 30.8324, 58.5035, 20.0232.

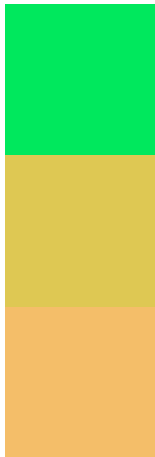


This preview shows how white text looks on a background with the XYZ color 30.8324, 58.5035,

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

30.8324, 58.5035, 20.0232

Protanopia

52.3398, 57.4627, 16.5164

Deuteranopia

58.2715, 57.0799, 21.3109



Tritanopia

44.4804, 58.4163, 87.5284

Trichromacy



Original Color

30.8324, 58.5035, 20.0232



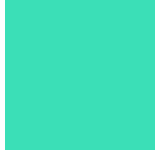
Protanomaly

36.2483, 53.4378, 17.4209



Deuteranomaly

37.6979, 51.5708, 20.2792



Tritanomaly

36.7386, 57.1241, 53.8895

Monochromacy



Original Color

30.8324, 58.5035, 20.0232



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.3673, 35.7528, 25.6954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8324, 58.5035, 20.0232 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, 232, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 93)  
}
```

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, 232, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 93) }
```

Border

The CSS property to change the border of an element to XYZ 30.8324, 58.5035, 20.0232 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, 232, 93) }
```


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

```
.border{ border-color:rgb(0, 232, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 232, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.8324, 58.5035, 20.0232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 93) }
```

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

```
.background{ background-color: rgb(0, 232,  
93) }
```

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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