

Converting Colors

XYZ(36.5456, 61.6799, 10.8007)

Have a look what the booklet for
XYZ(36.5456, 61.6799, 10.8007)
contains.

| | |
|--|----|
| XYZ(36.4825, 61.6266, 10.7829) | 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(36.4825, 61.6266,
10.7829)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 76E817 |
| RGB | 118, 232, 23 |
| RGB Percent | 46%, 91%, 9% |
| CMY | 0.5373, 0.0902, 0.9097 |
| CMYK | 0.49, 0.00, 0.90, 0.09 |
| HSL | 93°, 82%, 50% |
| HSV | 93°, 90%, 91% |
| XYZ | 36.4825, 61.6266, 10.7829 |
| YIQ | 174.0880, -0.8550, -89.1670 |

Conversions

Conversions Part 2

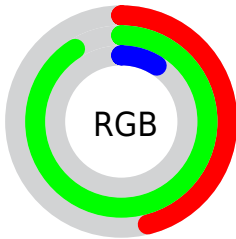
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 23, 232, 137 |
| Decimal | 7792663 |
| CIELab | 82.71, -62.12, 77.67 |
| CIElCh | 83, 99.454, 128.654 |
| Yxy | 61.6266, 0.3350, 0.5659 |
| Android (android.graphics.Color) | 4285982743 (0xFF76E817) |
| YUV | 174.0880, -74.4864, -49.1892 |
| Hunter-Lab | 78.5026, -54.4253, 46.8079 |

Details

The XYZ color **36.4825, 61.6266, 10.7829** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **25.1930, 11.7601, 77.2894**, and the grayscale version is **40.6512, 42.7682, 46.5746**.

A 20% lighter version of the original color is **56.4160, 81.9299, 23.6671**, and **16.5966, 31.3129, 5.1693** is the 20% darker color. If you saturate the color by 10%, you get **34.7359, 60.7460, 9.8944**, and if you desaturate by 10%, it is **38.6622, 62.7126, 12.6744**.

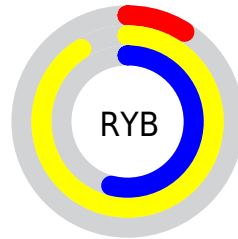
Distribution



Red (46%)

Green (91%)

Blue (9%)



Red (9%)

Yellow (91%)

Blue (54%)

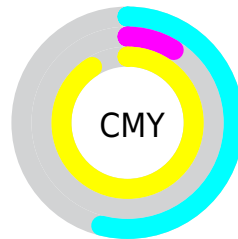


Cyan (49%)

Magenta (0%)

Yellow (90%)

Black (9%)



Cyan (54%)


Magenta (9%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4825, 61.6266, 10.7829 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 36.4825, 61.6266, 10.7829 by changing the saturation by 10% instead.


 36.4825, 61.6266,
10.7829


 36.4825, 61.6266,
10.7829


322.4592,
430.5677, 206.8557


 24.9789, 44.7311,
5.8087


 69.0952, 107.1857,
27.8885


 16.1900, 31.2456,
2.6622


 90.9349, 136.6180,
40.8570


 9.7504, 20.7860,
0.9243


 116.9508,
170.9980, 57.3273

 5.2948, 12.9676,
0.0000

 147.5081,
210.7102, 77.7181

 2.4578, 7.4063,
0.0000

 182.9723,
256.1388, 102.4477

 0.8740, 3.7175,
0.0000

 223.7086,

 0.0000, 1.5168,

307.6684, 131.9348

0.0000

270.0824,
365.6832, 166.5980

■ 0.0000, 0.3005,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4825, 61.6266,
10.7829

■ 36.4825, 61.6266,
10.7829

■ 34.7359, 60.7460,
9.8944

■ 38.6622, 62.7126,
12.6744

■ 41.3269, 64.0182,
15.8771

■ 44.5210, 65.5641,
20.5762

■ 48.2814, 67.3660,
26.9261

■ 52.6414, 69.4381,
35.0620

■ 57.6309, 71.7931,
45.1050

■ 63.2777, 74.4431,
57.1659

■ 69.6079, 77.3991,
71.3466

■ 76.6457, 80.6717,
87.7425

Harmonies

Analogous

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



52.6087, 61.6266, 5.0539



36.4825, 61.6266, 10.7829



28.0428, 61.6266, 32.7457

Triad

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



36.4825, 61.6266, 10.7829



44.8599, 61.6266, 247.1085



109.2851, 61.6266, 50.9114

Complementary

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



36.4825, 61.6266, 10.7829



25.1930, 11.7601, 77.2894

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.



105.7623, 61.6266, 119.6698



36.4825, 61.6266, 10.7829



64.9746, 61.6266, 263.5074

Square

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



36.4825, 61.6266, 10.7829



31.9977, 61.6266, 170.6552



88.1571, 61.6266, 207.2561



96.8601, 61.6266, 17.1816

Rectangle

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



36.4825, 61.6266, 10.7829



26.3603, 61.6266, 64.3763



88.1571, 61.6266, 207.2561



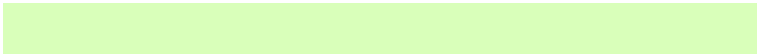
109.9781, 61.6266, 69.9013

Sweetspot

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



36.4839, 61.6292, 10.7843



73.3856, 89.8910, 60.0209



42.0262, 34.4009, 5.2365



15.2165, 19.0095, 11.8199



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.



36.4839, 61.6292, 10.7843



42.9485, 75.2258, 12.2564



29.4458, 57.9918, 10.8688



14.8084, 16.4083, 15.2911



19.4243, 33.7951, 5.4993



1.5413, 2.5519, 0.4113

Inverse Universe

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



25.1930, 11.7601, 77.2894



28.7150, 12.7180, 95.5491



47.1827, 23.2084, 73.2544



14.3305, 14.2726, 18.1439



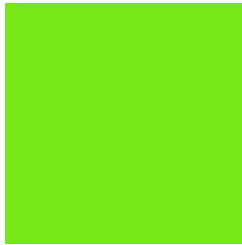
13.0558, 5.7964, 42.8139



1.0715, 0.4834, 3.1688

Previews

White Background



This preview shows how the XYZ color 36.4825, 61.6266, 10.7829 looks on a white background.

Color Contrast Check

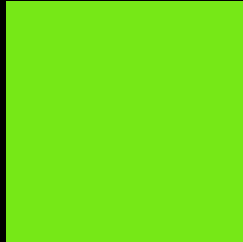
Large Text (above 18pt) WCAG AA × Fail

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 36.4825, 61.6266, 10.7829 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 36.4825, 61.6266, 10.7829

Background



This preview shows how black text looks on a background with the XYZ color 36.4825, 61.6266, 10.7829.



This preview shows how white text looks on a background with the XYZ color 36.4825, 61.6266,

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

36.4825, 61.6266, 10.7829

Protanopia

54.8356, 60.6713, 9.0790

Deuteranopia

61.5752, 60.2609, 13.8550



Tritanopia

51.4766, 61.2908, 86.2080

Trichromacy



Original Color

36.4825, 61.6266, 10.7829



Protanomaly

45.6149, 59.5797, 9.5113



Deuteranomaly

48.3525, 58.3388, 11.9609



Tritanomaly

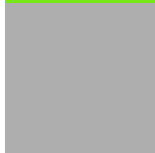
42.5236, 59.9952, 41.2373

Monochromacy



Original Color

36.4825, 61.6266, 10.7829



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.1713, 47.2321, 24.6631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4825, 61.6266, 10.7829 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(118, 232, 23)` looks like.

```
.text, #text, p{  
    color:rgb(118, 232, 23)  
}
```

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(118, 232, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 232, 23) }
```

Border

The CSS property to change the border of an element to XYZ 36.4825, 61.6266, 10.7829 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(118, 232, 23) }
```


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

```
.border{ border-color:rgb(118, 232, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 232, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 232, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 232, 23);  
box-shadow:4px 4px 4px 4px rgb(118, 232,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4825, 61.6266, 10.7829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 232, 23) }
```

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

```
.background{ background-color: rgb(118,  
232, 23) }
```

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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