

Converting Colors

XYZ(36.9001, 61.8265, 12.6197)

Have a look what the booklet for
XYZ(36.9001, 61.8265, 12.6197)
contains.

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Color

**XYZ(36.8210, 61.7620,
12.5654)**

Conversions

Conversions Part 1

Format	Color
Hex	76E82E
RGB	118, 232, 46
RGB Percent	46%, 91%, 18%
CMY	0.5373, 0.0902, 0.8196
CMYK	0.49, 0.00, 0.80, 0.09
HSL	97°, 80%, 55%
HSV	97°, 80%, 91%
XYZ	36.8210, 61.7620, 12.5654
YIQ	176.7100, -8.2380, -82.0140

Conversions

Conversions Part 2

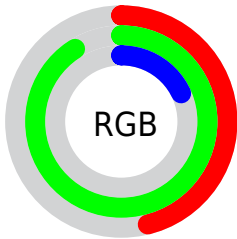
Format	Color
RYB	46, 232, 160
Decimal	7792686
CIELab	82.79, -61.31, 72.95
CIELCh	83, 95.293, 130.046
Yxy	61.7620, 0.3313, 0.5557
Android (android.graphics.Color)	4285982766 (0xFF76E82E)
YUV	176.7100, -64.4400, -51.4887
Hunter-Lab	78.5888, -53.8983, 45.5324

Details

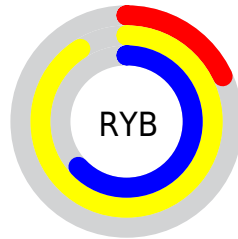
The XYZ color **36.8210, 61.7620, 12.5654** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **30.0434, 15.2562, 77.7085**, and the grayscale version is **41.9701, 44.1558, 48.0857**.

A 20% lighter version of the original color is **57.0572, 82.1864, 27.0437**, and **16.6952, 31.3638, 5.1739** is the 20% darker color. If you saturate the color by 10%, you get **34.6940, 60.7067, 10.6896**, and if you desaturate by 10%, it is **39.4889, 63.0714, 15.7571**.

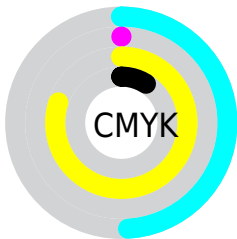
Distribution



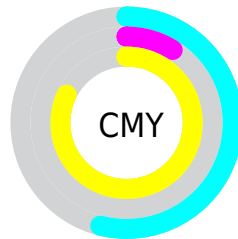
- Red (46%)
- Green (91%)
- Blue (18%)



- Red (18%)
- Yellow (91%)
- Blue (63%)



- Cyan (49%)
- Magenta (0%)
- Yellow (80%)
- Black (9%)





- Cyan (54%)
- Magenta (9%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8210, 61.7620, 12.5654 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 36.8210, 61.7620, 12.5654 by changing the saturation by 10% instead.


 36.8210, 61.7620,
12.5654


 36.8210, 61.7620,
12.5654


323.9039,
431.0624, 219.2224


 25.2420, 44.8404,
7.0028


 69.6130, 107.3815,
31.2004

 16.3871, 31.3317,
3.3854


 91.5567, 136.8482,
45.1099


 9.8911, 20.8516,
1.2946


 117.6860,
171.2653, 62.6387

 5.3885, 13.0156,
0.0574

 148.3663,
211.0174, 84.2055

 2.5141, 7.4393,
0.0000

 183.9628,
256.4888, 110.2287

 0.9023, 3.7383,
0.0000

224.8410,

 0.0000, 1.5283,

308.0638, 141.1269

0.0000

271.3663,
366.1269, 177.3186

■ 0.0000, 0.3085,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.8210, 61.7620,
12.5654

■ 36.8210, 61.7620,
12.5654

■ 34.6940, 60.7067,
10.6896


■ 39.4889, 63.0714,
15.7571


■ 33.0548, 59.8793,
9.8157


■ 42.7403, 64.6472,
20.4450


■ 46.6175, 66.5096,
26.7852


■ 51.1571, 68.6747,
34.9131

 56.3923, 71.1568,
44.9503

 62.3540, 73.9695,
57.0075

 69.0711, 77.1254,
71.1872

 76.5707, 80.6364,
87.5846

 84.8786, 84.5139,
106.2895

Harmonies

Analogous

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



52.0928, 61.7620, 6.0909



36.8210, 61.7620, 12.5654



28.9033, 61.7620, 35.6150

Triad

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



36.8210, 61.7620, 12.5654



46.2539, 61.7620, 238.9242



106.6911, 61.7620, 49.4179

Complementary

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



36.8210, 61.7620, 12.5654



30.0434, 15.2562, 77.7085

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.



104.0887, 61.7620, 113.5912



36.8210, 61.7620, 12.5654



65.8498, 61.7620, 250.8659

Square

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



36.8210, 61.7620, 12.5654



33.4055, 61.7620, 169.1513



87.8875, 61.7620, 195.9493



94.3384, 61.7620, 17.6307

Rectangle

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



36.8210, 61.7620, 12.5654



27.4529, 61.7620, 67.3390



87.8875, 61.7620, 195.9493



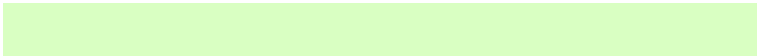
107.5935, 61.7620, 67.1578

Sweetspot

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



36.8224, 61.7646, 12.5668



74.2357, 90.2327, 64.4253



45.9333, 41.6735, 8.2086



15.3285, 19.0487, 12.6593



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.



36.8224, 61.7646, 12.5668



41.6359, 74.5427, 12.4866



30.9278, 58.6739, 14.6370



14.7142, 16.3597, 15.2867



18.4807, 33.3086, 5.4552



1.4671, 2.5137, 0.4079

Inverse Universe

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



30.0434, 15.2562, 77.7085



32.7076, 14.9406, 95.7677



46.3192, 23.9360, 65.3994



14.4267, 14.3222, 18.1484



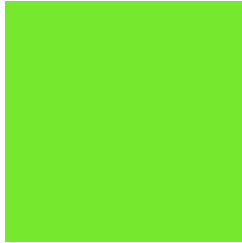
14.4435, 6.5118, 42.8788



1.1705, 0.5344, 3.1734

Previews

White Background



This preview shows how the XYZ color 36.8210, 61.7620, 12.5654 looks on a white background.

Color Contrast Check

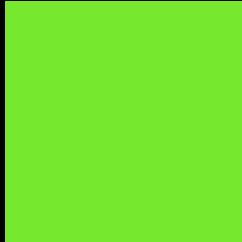
Large Text (above 18pt) WCAG AA × Fail

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 36.8210, 61.7620, 12.5654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

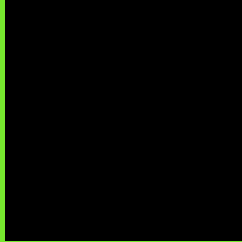
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8210, 61.7620, 12.5654

Background



This preview shows how black text looks on a background with the XYZ color 36.8210, 61.7620, 12.5654.



This preview shows how white text looks on a background with the XYZ color 36.8210, 61.7620,

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

36.8210, 61.7620, 12.5654

Protanopia

54.8307, 60.6321, 10.7327

Deuteranopia

61.9577, 60.7713, 14.7678



Tritanopia

51.4766, 61.2908, 86.2080

Trichromacy



Original Color

36.8210, 61.7620, 12.5654



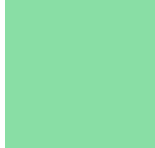
Protanomaly

45.7046, 59.5869, 11.2830



Deuteranomaly

48.6299, 58.4498, 13.4215



Tritanomaly

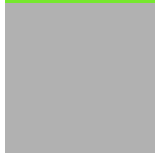
43.2293, 60.2775, 44.9536

Monochromacy



Original Color

36.8210, 61.7620, 12.5654



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.6390, 48.5854, 28.1630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8210, 61.7620, 12.5654 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(118, 232, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 232, 46) }
```

Border

The CSS property to change the border of an element to XYZ 36.8210, 61.7620, 12.5654 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, 46) }
```


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

```
.border{ border-color:rgb(118, 232, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 232, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 232, 46);  
box-shadow:4px 4px 4px 4px rgb(118, 232,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8210, 61.7620, 12.5654 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, 46) }
```

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

```
.background{ background-color: rgb(118,  
232, 46) }
```

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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