

Converting Colors

XYZ(40.7356, 61.9126, 30.3426)

Have a look what the booklet for
XYZ(40.7356, 61.9126, 30.3426)
contains.

XYZ(40.5418, 61.6345, 30.1820)	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(40.5418, 61.6345,
30.1820)**

Conversions

Conversions Part 1

Format	Color
Hex	80E480
RGB	128, 228, 128
RGB Percent	50%, 89%, 50%
CMY	0.4980, 0.1059, 0.4980
CMYK	0.44, 0.00, 0.44, 0.11
HSL	120°, 65%, 70%
HSV	120°, 44%, 89%
XYZ	40.5418, 61.6345, 30.1820
YIQ	186.7000, -27.5000, -52.3000

Conversions

Conversions Part 2

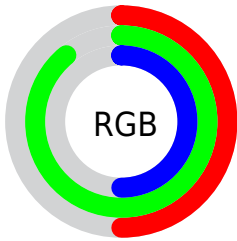
Format	Color
RYB	128, 228, 228
Decimal	8447104
CIELab	82.72, -49.13, 39.80
CIElCh	83, 63.230, 140.991
Yxy	61.6345, 0.3063, 0.4657
Android (android.graphics.Color)	4286637184 (0xFF80E480)
YUV	186.7000, -28.9391, -51.4799
Hunter-Lab	78.5076, -45.2099, 32.1615

Details

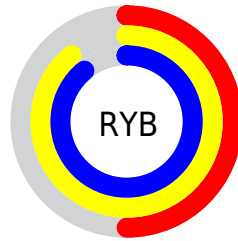
The XYZ color **40.5418, 61.6345, 30.1820** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **53.7196, 37.5349, 77.8143**, and the grayscale version is **47.2353, 49.6952, 54.1181**.

A 20% lighter version of the original color is **64.2111, 85.2117, 57.3192**, and **18.6179, 31.3430, 12.0897** is the 20% darker color. If you saturate the color by 10%, you get **36.1542, 59.5287, 23.0040**, and if you desaturate by 10%, it is **46.0402, 64.2775, 39.1746**.

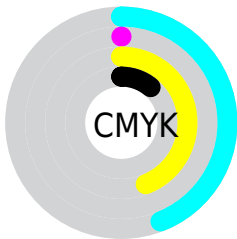
Distribution



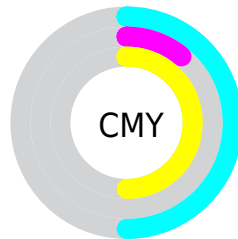
- Red (50%)
- Green (89%)
- Blue (50%)



- Red (50%)
- Yellow (89%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)





- Cyan (50%)
- Magenta (11%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5418, 61.6345, 30.1820 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 40.5418, 61.6345, 30.1820 by changing the saturation by 10% instead.

 40.5418, 61.6345,
30.1820


 40.5418, 61.6345,
30.1820

339.4973,
430.5966, 316.9856


 28.1473, 44.7374,
19.7235


 75.2670, 107.1971,
61.0143

 18.5778, 31.2507,
12.0122


 98.3283, 136.6314,
82.2252

 11.4678, 20.7898,
6.6293


 125.6761,
171.0136, 107.8574

 6.4520, 12.9704,
3.1565

157.6755,
210.7281, 138.3293

 3.1651, 7.4082,
1.1751

194.6920,
256.1593, 174.0595

 1.2416, 3.7187,
0.0000

237.0909,

 0.1389, 1.5175,

307.6915, 215.4666

0.0000

285.2375,
365.7091, 262.9691

■ 0.0000, 0.3010,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5418, 61.6345,
30.1820

■ 40.5418, 61.6345,
30.1820

■ 36.1542, 59.5287,
23.0040

■ 46.0402, 64.2775,
39.1746

■ 32.7976, 57.9164,
17.5136


■ 52.7129, 67.4828,
50.0890


■ 30.3891, 56.7595,
13.5741


■ 60.6241, 71.2829,
63.0291


■ 28.8312, 56.0112,
11.0258

■ 69.8320, 75.7060,
78.0902

 28.0050, 55.6143,
9.6742

 80.3912, 80.7780,
95.3615

 27.7446, 55.4892,
9.2483

 87.0346, 83.9692,
106.2282

Harmonies

Analogous

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



49.7158, 61.6345, 18.6998



40.5418, 61.6345, 30.1820



36.3888, 61.6345, 56.0656

Triad

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



40.5418, 61.6345, 30.1820



54.5867, 61.6345, 171.3986



86.5034, 61.6345, 43.7246

Complementary

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



40.5418, 61.6345, 30.1820



53.7196, 37.5349, 77.8143

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.



88.3459, 61.6345, 79.5160



40.5418, 61.6345, 30.1820



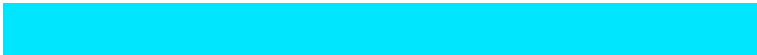
68.4436, 61.6345, 163.9590

Square

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



40.5418, 61.6345, 30.1820



43.6331, 61.6345, 143.6180



81.3081, 61.6345, 126.0541



76.6055, 61.6345, 24.1545

Rectangle

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



40.5418, 61.6345, 30.1820



36.5031, 61.6345, 82.4027



81.3081, 61.6345, 126.0541



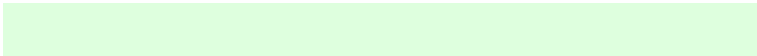
88.1398, 61.6345, 53.8362

Sweetspot

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



40.5433, 61.6371, 30.1834



79.0031, 92.2918, 82.6525



63.6373, 73.5425, 31.2635



16.3887, 19.5039, 16.8385



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.



40.5433, 61.6371, 30.1834



46.8662, 76.8548, 30.0867



44.6830, 63.2930, 51.9827



14.1894, 16.0892, 15.2622



16.0201, 32.0401, 5.3401



1.1838, 2.3677, 0.3946

Inverse Universe

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



53.7196, 37.5349, 77.8143



65.9881, 41.8767, 99.2108



47.7518, 35.1478, 46.3883



14.9952, 14.6153, 18.1750



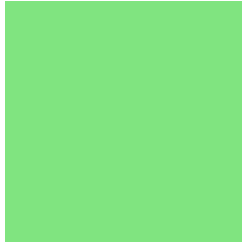
26.5609, 12.7586, 43.4442



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 40.5418, 61.6345, 30.1820 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 40.5418, 61.6345, 30.1820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

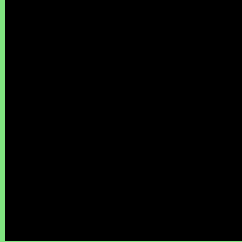
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5418, 61.6345, 30.1820

Background



This preview shows how black text looks on a background with the XYZ color 40.5418, 61.6345, 30.1820.

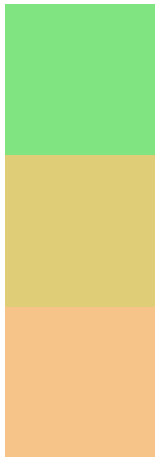


This preview shows how white text looks on a background with the XYZ color 40.5418, 61.6345,

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

40.5418, 61.6345, 30.1820

Protanopia

55.9016, 60.8418, 26.2501

Deuteranopia

62.1899, 60.8503, 31.7601



Tritanopia

51.6583, 61.3845, 86.2165

Trichromacy



Original Color

40.5418, 61.6345, 30.1820



Protanomaly

48.2934, 59.8125, 27.4120



Deuteranomaly

51.4181, 59.5017, 30.9653



Tritanomaly

46.4280, 60.7892, 60.9162

Monochromacy



Original Color

40.5418, 61.6345, 30.1820



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.7293, 53.1012, 44.0212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5418, 61.6345, 30.1820 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(128, 228, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 228, 128)  
}
```

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(128, 228, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 228, 128) }
```

Border

The CSS property to change the border of an element to XYZ 40.5418, 61.6345, 30.1820 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(128, 228, 128) }
```


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

```
.border{ border-color:rgb(128, 228, 128) }
```

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

Here you see how a box with a 4 pixel rgb(128, 228, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 228, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 228, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 228,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5418, 61.6345, 30.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 228, 128) }
```

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

```
.background{ background-color: rgb(128,  
228, 128) }
```

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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