

Converting Colors

XYZ(36.1290, 60.4131, 19.6542)

Have a look what the booklet for
XYZ(36.1290, 60.4131, 19.6542)
contains.

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Color

**XYZ(36.1290, 60.4131,
19.6542)**

Conversions

Conversions Part 1

Format	Color
Hex	6AE65B
RGB	106, 230, 91
RGB Percent	42%, 90%, 36%
CMY	0.5843, 0.0980, 0.6431
CMYK	0.54, 0.00, 0.60, 0.10
HSL	114°, 74%, 63%
HSV	114°, 60%, 90%
XYZ	36.1290, 60.4131, 19.6542
YIQ	177.0780, -29.2850, -69.5170

Conversions

Conversions Part 2

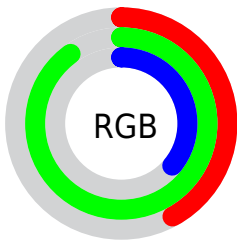
Format	Color
RYB	91, 230, 215
Decimal	7005787
CIELab	82.06, -60.49, 56.04
CIELCh	82, 82.459, 137.184
Yxy	60.4131, 0.3109, 0.5199
Android (android.graphics.Color)	4285195867 (0xFF6AE65B)
YUV	177.0780, -42.4365, -62.3354
Hunter-Lab	77.7259, -53.0488, 39.4157

Details

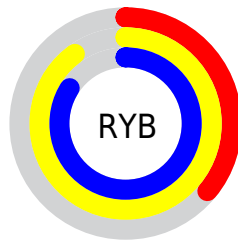
The XYZ color **36.1290, 60.4131, 19.6542** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **46.0515, 27.6445, 77.7748**, and the grayscale version is **42.0594, 44.2497, 48.1879**.

A 20% lighter version of the original color is **56.5967, 81.6713, 39.5692**, and **15.9401, 30.3658, 6.6112** is the 20% darker color. If you saturate the color by 10%, you get **33.1317, 58.9674, 15.1050**, and if you desaturate by 10%, it is **40.0165, 62.2863, 25.8343**.

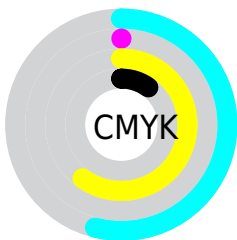
Distribution



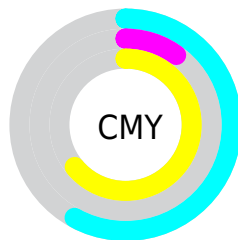
- Red (42%)
- Green (90%)
- Blue (36%)



- Red (36%)
- Yellow (90%)
- Blue (84%)



- Cyan (54%)
- Magenta (0%)
- Yellow (60%)
- Black (10%)





- Cyan (58%)
- Magenta (10%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1290, 60.4131, 19.6542 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 36.1290, 60.4131, 19.6542 by changing the saturation by 10% instead.


 36.1290, 60.4131,
19.6542


 36.1290, 60.4131,
19.6542


320.9454,
426.1188, 262.5789


 24.7044, 43.7517,
11.9624


 68.5537, 105.4287,
43.6880


 15.9845, 30.4753,
6.5958


 90.2845, 134.5517,
60.8670

 9.6040, 20.1997,
3.1361


 116.1815,
168.5973, 82.0455

 5.1974, 12.5403,
1.1645

 146.6099,
207.9499, 107.6420

 2.3995, 7.1127,
0.0000

181.9351,
252.9940, 138.0750

 0.8449, 3.5327,
0.0000

222.5226,

 0.0000, 1.4158,

304.1139, 173.7632

0.0000

268.7376,
361.6940, 215.1250

■ 0.0000, 0.2283,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1290, 60.4131,
19.6542

■ 36.1290, 60.4131,
19.6542

■ 33.1317, 58.9674,
15.1050

■ 40.0165, 62.2863,
25.8343

■ 30.9492, 57.9081,
12.0291


■ 44.8533, 64.6089,
33.7755


■ 29.5007, 57.1993,
10.2449

■ 50.6980, 67.4106,
43.5996


■ 28.6944, 56.8004,
9.4512

■ 57.6037, 70.7162,
55.4164

 65.6195, 74.5489,
69.3273

 74.7914, 78.9304,
85.4267

 85.1628, 83.8810,
103.8034

 87.5880, 85.0760,
106.4127

Harmonies

Analogous

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



48.0535, 60.4131, 10.0199



36.1290, 60.4131, 19.6542



30.4904, 60.4131, 46.6573

Triad

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



36.1290, 60.4131, 19.6542



50.2844, 60.4131, 211.3307



95.8818, 60.4131, 41.2452

Complementary

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



36.1290, 60.4131, 19.6542



46.0515, 27.6445, 77.7748

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.



96.8180, 60.4131, 89.5210



36.1290, 60.4131, 19.6542



67.9327, 60.4131, 207.2235

Square

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



36.1290, 60.4131, 19.6542



37.4754, 60.4131, 164.6482



85.7680, 60.4131, 155.2690



83.4229, 60.4131, 17.4257

Rectangle

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



36.1290, 60.4131, 19.6542



30.1160, 60.4131, 78.5650



85.7680, 60.4131, 155.2690



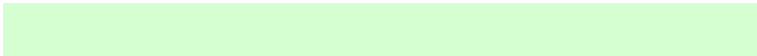
97.6325, 60.4131, 54.4625

Sweetspot

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



36.1305, 60.4156, 19.6555



75.0278, 90.4324, 73.8873



58.5159, 65.5648, 19.4696



15.4615, 19.0704, 14.7835



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.



36.1305, 60.4156, 19.6555



40.9430, 74.0684, 17.7446



37.6688, 60.8428, 36.2594



14.3329, 16.1632, 15.2688



16.2937, 32.1812, 5.3528



1.2527, 2.4032, 0.3978

Inverse Universe

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



46.0515, 27.6445, 77.7748



54.4023, 29.1057, 97.3584



44.2839, 27.4698, 44.4174



14.8339, 14.5321, 18.1675



22.4323, 10.6301, 43.2527



1.7018, 0.8083, 3.1983

Previews

White Background



This preview shows how the XYZ color 36.1290, 60.4131, 19.6542 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 36.1290, 60.4131, 19.6542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

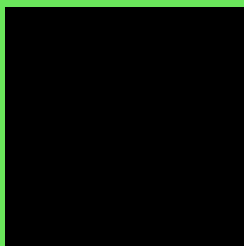
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1290, 60.4131, 19.6542

Background



This preview shows how black text looks on a background with the XYZ color 36.1290, 60.4131, 19.6542.

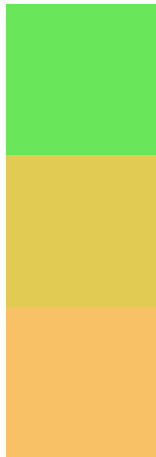


This preview shows how white text looks on a background with the XYZ color 36.1290, 60.4131,

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

36.1290, 60.4131, 19.6542

Protanopia

54.2813, 59.5052, 16.8083

Deuteranopia

60.5352, 59.2390, 20.8141



Tritanopia

49.4172, 60.2292, 86.1116

Trichromacy



Original Color

36.1290, 60.4131, 19.6542



Protanomaly

44.7654, 58.2055, 17.6795



Deuteranomaly

47.3019, 56.8948, 20.0440



Tritanomaly

42.6544, 59.4091, 52.9350

Monochromacy



Original Color

36.1290, 60.4131, 19.6542



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.6907, 48.1345, 34.4985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1290, 60.4131, 19.6542 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(106, 230, 91)` looks like.

```
.text, #text, p{  
    color:rgb(106, 230, 91)  
}
```

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(106, 230, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 230, 91) }
```

Border

The CSS property to change the border of an element to XYZ 36.1290, 60.4131, 19.6542 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(106, 230, 91) }
```


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

```
.border{ border-color:rgb(106, 230, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 230, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 230, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 230, 91);  
box-shadow:4px 4px 4px 4px rgb(106, 230,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1290, 60.4131, 19.6542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 230, 91) }
```

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

```
.background{ background-color: rgb(106,  
230, 91) }
```

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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