

Converting Colors

XYZ(46.3000, 63.4239, 36.7619)

Have a look what the booklet for
XYZ(46.3000, 63.4239, 36.7619)
contains.

XYZ(46.1366, 63.1639, 36.5483)	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(46.1366, 63.1639,
36.5483)**

Conversions

Conversions Part 1

Format	Color
Hex	9EE191
RGB	158, 225, 145
RGB Percent	62%, 88%, 57%
CMY	0.3804, 0.1176, 0.4314
CMYK	0.30, 0.00, 0.36, 0.12
HSL	110°, 57%, 73%
HSV	110°, 36%, 88%
XYZ	46.1366, 63.1639, 36.5483
YIQ	195.8470, -14.2520, -39.0840

Conversions

Conversions Part 2

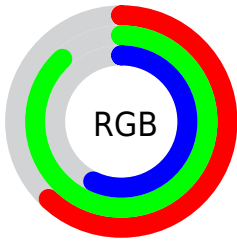
Format	Color
RYB	145, 225, 212
Decimal	10412433
CIELab	83.53, -36.05, 32.61
CIELCh	84, 48.609, 137.872
Yxy	63.1639, 0.3163, 0.4331
Android (android.graphics.Color)	4288602513 (0xFF9EE191)
YUV	195.8470, -25.0676, -33.1918
Hunter-Lab	79.4757, -35.4611, 28.3675

Details

The XYZ color **46.1366, 63.1639, 36.5483** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **50.8703, 39.6861, 76.2166**, and the grayscale version is **52.5306, 55.2663, 60.1850**.

A 20% lighter version of the original color is **73.9169, 89.9863, 68.1168**, and **21.9173, 32.1271, 15.6357** is the 20% darker color. If you saturate the color by 10%, you get **41.1441, 60.7730, 28.1377**, and if you desaturate by 10%, it is **52.0444, 65.9906, 46.7979**.

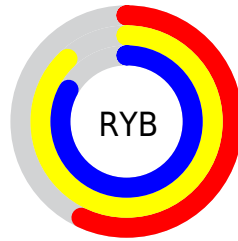
Distribution



Red (62%)

Green (88%)

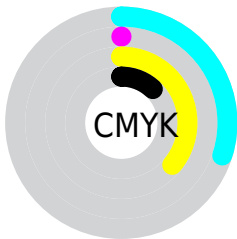
Blue (57%)



Red (57%)

Yellow (88%)

Blue (83%)

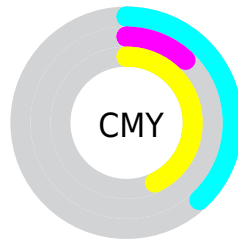


Cyan (30%)

Magenta (0%)

Yellow (36%)

Black (12%)



Cyan (38%)


Magenta (12%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1366, 63.1639, 36.5483 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 46.1366, 63.1639, 36.5483 by changing the saturation by 10% instead.


 46.1366, 63.1639,
36.5483


 46.1366, 63.1639,
36.5483


362.0643,
436.1641, 346.4604

 32.5587, 45.9738,
24.5649


 83.6500, 109.4059,
71.0561

 21.9462, 32.2252,
15.5371


 108.3162,
139.2267, 94.4175

 13.9338, 21.5335,
9.0464


137.4093,
174.0264, 122.4087

 8.1560, 13.5146,
4.6743

171.2945,
214.1896, 155.4483

 4.2476, 7.7838,
2.0021

210.3373,
260.1005, 193.9547

 1.8431, 3.9569,
0.5565

254.9029,

 0.5435, 1.6495,

312.1436, 238.3465

0.0000

305.3568,
370.7034, 289.0422

0.0000, 0.3906,
0.0000

0.0000, 0.0000,
0.0000

46.1366, 63.1639,
36.5483

46.1366, 63.1639,
36.5483

41.1441, 60.7730,
28.1377

52.0444, 65.9906,
46.7979

37.0158, 58.7885,
21.4534

58.9056, 69.2651,
58.9820

33.7030, 57.1896,
16.3767

66.7618, 73.0087,
73.1945

31.1501, 55.9507,
12.7723

75.6509, 77.2390,
89.5220

■ 29.2939, 55.0426,
10.4827

■ 85.2028, 81.8104,
105.9081

■ 28.0605, 54.4313,
9.3145

■ 86.2165, 82.3330,
105.9555

■ 27.6737, 54.2382,
9.0105

Harmonies

Analogous

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



53.9878, 63.1639, 26.7990



46.1366, 63.1639, 36.5483



42.2123, 63.1639, 57.2123

Triad

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



46.1366, 63.1639, 36.5483



55.8493, 63.1639, 143.2005



81.6275, 63.1639, 52.3524

Complementary

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



46.1366, 63.1639, 36.5483



50.8703, 39.6861, 76.2166

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.



82.2789, 63.1639, 81.7986



46.1366, 63.1639, 36.5483



66.5186, 63.1639, 140.7427

Square

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



46.1366, 63.1639, 36.5483



47.3606, 63.1639, 121.8642



76.4779, 63.1639, 115.8995



74.7910, 63.1639, 33.8977

Rectangle

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



46.1366, 63.1639, 36.5483



42.0045, 63.1639, 77.0943



76.4779, 63.1639, 115.8995



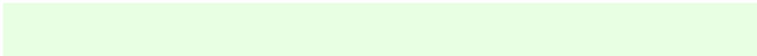
82.6040, 63.1639, 61.0764

Sweetspot

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



46.1382, 63.1666, 36.5497



82.7372, 94.1368, 86.4464



59.6252, 64.9754, 36.1880



17.4091, 20.0061, 17.9613



0.0000, 0.0000, 0.0000



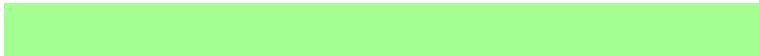
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.1382, 63.1666, 36.5497



56.0360, 81.3791, 39.6841



46.0187, 62.8389, 48.5674



13.7352, 15.4436, 14.5638



16.0106, 31.2863, 5.1950



1.1740, 2.2017, 0.3631

Inverse Universe

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



50.8703, 39.6861, 76.2166



63.2158, 45.6143, 100.0803



51.4106, 40.3527, 58.7095



14.0649, 13.8170, 17.3133



19.9294, 9.3693, 41.8064



1.4406, 0.6799, 2.9006

Previews

White Background



This preview shows how the XYZ color 46.1366, 63.1639, 36.5483 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 46.1366, 63.1639, 36.5483 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 46.1366, 63.1639, 36.5483

Background



This preview shows how black text looks on a background with the XYZ color 46.1366, 63.1639, 36.5483.



This preview shows how white text looks on a background with the XYZ color 46.1366, 63.1639,

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

46.1366, 63.1639, 36.5483

Protanopia

57.9516, 62.4682, 33.0479

Deuteranopia

64.0154, 62.6740, 38.0015



Tritanopia

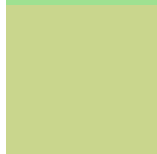
55.8456, 62.8036, 85.5229

Trichromacy



Original Color

46.1366, 63.1639, 36.5483



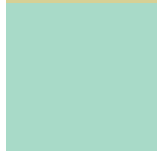
Protanomaly

52.9417, 62.4337, 34.4599



Deuteranomaly

55.7122, 61.5778, 37.3831



Tritanomaly

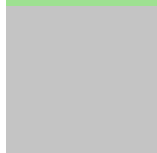
51.6452, 62.6378, 64.0119

Monochromacy



Original Color

46.1366, 63.1639, 36.5483



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.5400, 57.7451, 50.1298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1366, 63.1639, 36.5483 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(158, 225, 145)` looks like.

```
.text, #text, p{  
    color:rgb(158, 225, 145)  
}
```

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(158, 225, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 225, 145) }
```

Border

The CSS property to change the border of an element to XYZ 46.1366, 63.1639, 36.5483 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(158, 225, 145) }
```


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

```
.border{ border-color:rgb(158, 225, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 225, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 225, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 225, 145);  
box-shadow:4px 4px 4px 4px rgb(158, 225,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1366, 63.1639, 36.5483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 225, 145) }
```

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

```
.background{ background-color: rgb(158,  
225, 145) }
```

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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