

Converting Colors

XYZ(46.2382, 63.1720, 34.2716)

Have a look what the booklet for
XYZ(46.2382, 63.1720, 34.2716)
contains.

XYZ(46.2834, 63.2916, 34.2032)	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(46.2834, 63.2916,
34.2032)**

Conversions

Conversions Part 1

Format	Color
Hex	A1E18B
RGB	161, 225, 139
RGB Percent	63%, 88%, 55%
CMY	0.3686, 0.1176, 0.4549
CMYK	0.28, 0.00, 0.38, 0.12
HSL	105°, 59%, 71%
HSV	105°, 38%, 88%
XYZ	46.2834, 63.2916, 34.2032
YIQ	196.0600, -10.5380, -40.3140

Conversions

Conversions Part 2

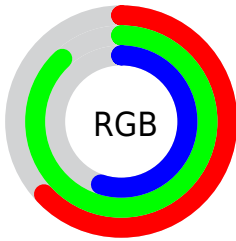
Format	Color
RYB	139, 225, 203
Decimal	10609035
CIELab	83.60, -35.92, 35.76
CIElCh	84, 50.688, 135.130
Yxy	63.2916, 0.3219, 0.4402
Android (android.graphics.Color)	4288799115 (0xFFA1E18B)
YUV	196.0600, -28.1306, -30.7476
Hunter-Lab	79.5560, -35.3769, 30.1989

Details

The XYZ color **46.2834, 63.2916, 34.2032** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **47.4546, 36.5999, 75.8009**, and the grayscale version is **52.6748, 55.4180, 60.3502**.

A 20% lighter version of the original color is **74.0009, 90.1220, 63.9471**, and **22.0128, 32.2063, 14.2888** is the 20% darker color. If you saturate the color by 10%, you get **41.6545, 61.0780, 26.2703**, and if you desaturate by 10%, it is **51.7058, 65.8790, 43.9419**.

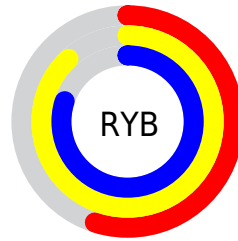
Distribution



Red (63%)

Green (88%)

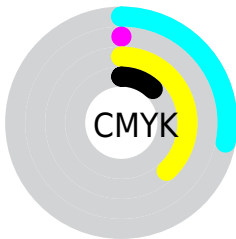
Blue (55%)



Red (55%)

Yellow (88%)

Blue (80%)

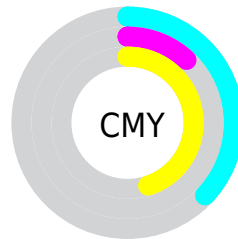


Cyan (28%)

Magenta (0%)

Yellow (38%)

Black (12%)



Cyan (37%)


Magenta (12%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2834, 63.2916, 34.2032 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 46.2834, 63.2916, 34.2032 by changing the saturation by 10% instead.


 46.2834, 63.2916,
34.2032

 46.2834, 63.2916,
34.2032


362.6437,
436.6270, 335.8339


 32.6751, 46.0772,
22.7711


 83.8682, 109.5901,
67.3870

 22.0357, 32.3067,
14.2209

 108.5755,
139.4429, 89.9759

 13.9999, 21.5959,
8.1340


 137.7131,
174.2773, 117.1207

 8.2023, 13.5603,
4.0918

171.6464,
214.4777, 149.2401

 4.2775, 7.8155,
1.6758

210.7407,
260.4285, 186.7526

 1.8603, 3.9771,
0.3441

255.3615,

 0.5536, 1.6608,

312.5140, 230.0767

0.0000

305.8740,
371.1187, 279.6310

0.0000, 0.3981,
0.0000

0.0000, 0.0000,
0.0000

46.2834, 63.2916,
34.2032

46.2834, 63.2916,
34.2032

41.6545, 61.0780,
26.2703

51.7058, 65.8790,
43.9419

37.7756, 59.2125,
20.0282

57.9530, 68.8483,
55.5839

34.6061, 57.6787,
15.3551

65.0601, 72.2176,
69.2243

32.0991, 56.4555,
12.1110

73.0590, 76.0013,
84.9510

■ 30.2014, 55.5191,
10.1313

■ 81.9796, 80.2132,
102.8465

■ 28.8441, 54.8390,
9.1796

■ 86.2165, 82.3330,
105.9555

■ 28.6456, 54.7392,
9.0560

Harmonies

Analogous

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



54.7645, 63.2916, 25.1948



46.2834, 63.2916, 34.2032



41.8224, 63.2916, 54.4093

Triad

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



46.2834, 63.2916, 34.2032



54.8525, 63.2916, 146.3253



83.1606, 63.2916, 54.1806

Complementary

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



46.2834, 63.2916, 34.2032



47.4546, 36.5999, 75.8009

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.



83.1918, 63.2916, 85.7910



46.2834, 63.2916, 34.2032



65.8919, 63.2916, 146.2067

Square

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



46.2834, 63.2916, 34.2032



46.3409, 63.2916, 121.8434



76.5576, 63.2916, 121.5567



76.4772, 63.2916, 34.0803

Rectangle

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



46.2834, 63.2916, 34.2032



41.3313, 63.2916, 74.5162



76.5576, 63.2916, 121.5567



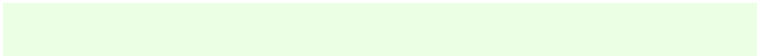
83.9740, 63.2916, 63.5995

Sweetspot

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



46.2850, 63.2943, 34.2046



83.5909, 94.5769, 86.4863



56.8504, 60.1468, 33.0402



17.6111, 20.1103, 17.9707



0.0000, 0.0000, 0.0000



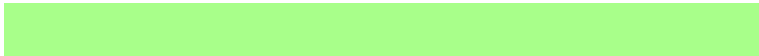
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2850, 63.2943, 34.2046



56.4112, 81.6387, 36.7157



43.8384, 61.8478, 42.4599



13.8558, 15.5058, 14.5694



16.5980, 31.5891, 5.2225



1.2326, 2.2319, 0.3658

Inverse Universe

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



47.4546, 36.5999, 75.8009



58.1456, 41.3179, 99.5183



51.2977, 38.8790, 62.5188



13.9349, 13.7500, 17.3072



17.1829, 7.9534, 41.6779



1.2724, 0.5932, 2.8927

Previews

White Background



This preview shows how the XYZ color 46.2834, 63.2916, 34.2032 looks on a white background.

Color Contrast Check

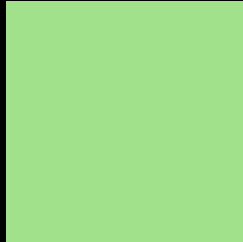
Large Text (above 18pt) WCAG AA × Fail

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 46.2834, 63.2916, 34.2032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

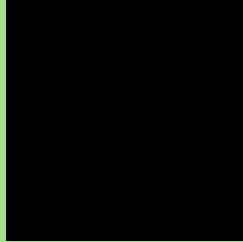
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2834, 63.2916, 34.2032

Background



This preview shows how black text looks on a background with the XYZ color 46.2834, 63.2916, 34.2032.



This preview shows how white text looks on a background with the XYZ color 46.2834, 63.2916,

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

46.2834, 63.2916, 34.2032

Protanopia

58.0848, 62.9464, 30.9183

Deuteranopia

63.8920, 62.6653, 35.5162



Tritanopia

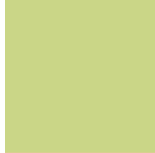
56.3749, 63.0928, 84.8082

Trichromacy



Original Color

46.2834, 63.2916, 34.2032



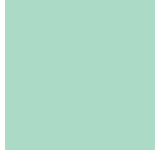
Protanomaly

52.7769, 62.3990, 32.1842



Deuteranomaly

55.8327, 61.6939, 34.9520



Tritanomaly

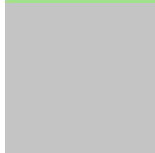
52.0590, 62.8780, 62.8189

Monochromacy



Original Color

46.2834, 63.2916, 34.2032



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.5791, 57.7881, 49.0986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2834, 63.2916, 34.2032 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(161, 225, 139)` looks like.

```
.text, #text, p{  
    color:rgb(161, 225, 139)  
}
```

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(161, 225, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 225, 139) }
```

Border

The CSS property to change the border of an element to XYZ 46.2834, 63.2916, 34.2032 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(161, 225, 139) }
```


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

```
.border{ border-color:rgb(161, 225, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 225, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 225, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 225, 139); box-shadow:4px 4px 4px 4px rgb(161, 225, 139) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2834, 63.2916, 34.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 225, 139) }
```

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

```
.background{ background-color: rgb(161,  
225, 139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor