

Converting Colors

XYZ(46.3276, 69.4476, 35.3545)

Have a look what the booklet for
XYZ(46.3276, 69.4476, 35.3545)
contains.

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Color

**XYZ(46.4677, 69.6732,
35.4253)**

Conversions

Conversions Part 1

Format	Color
Hex	8BF08B
RGB	139, 240, 139
RGB Percent	55%, 94%, 55%
CMY	0.4549, 0.0588, 0.4549
CMYK	0.42, 0.00, 0.42, 0.06
HSL	120°, 77%, 74%
HSV	120°, 42%, 94%
XYZ	46.4677, 69.6732, 35.4253
YIQ	198.2870, -27.7750, -52.8230

Conversions

Conversions Part 2

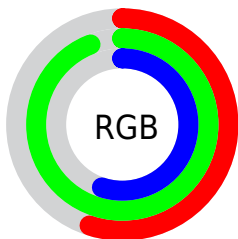
Format	Color
RYB	139, 240, 240
Decimal	9171083
CIELab	86.84, -49.37, 39.75
CIElCh	87, 63.382, 141.163
Yxy	69.6732, 0.3066, 0.4597
Android (android.graphics.Color)	4287361163 (0xFF8BF08B)
YUV	198.2870, -29.2285, -51.9947
Hunter-Lab	83.4705, -46.7030, 33.2663

Details

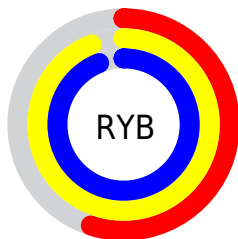
The XYZ color **46.4677, 69.6732, 35.4253** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.8980, 43.2829, 87.5847**, and the grayscale version is **54.0370, 56.8511, 61.9109**.

A 20% lighter version of the original color is **68.5236, 87.2854, 64.2751**, and **22.1335, 36.3489, 14.8663** is the 20% darker color. If you saturate the color by 10%, you get **41.3264, 67.2057, 27.0144**, and if you desaturate by 10%, it is **52.8771, 72.7540, 45.9077**.

Distribution



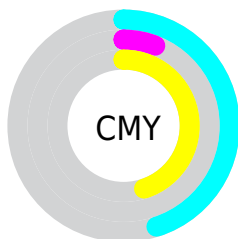
- Red (55%)
- Green (94%)
- Blue (55%)



- Red (55%)
- Yellow (94%)
- Blue (94%)



- Cyan (42%)
- Magenta (0%)
- Yellow (42%)
- Black (6%)




- Cyan (45%)
- Magenta (6%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4677, 69.6732, 35.4253 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 46.4677, 69.6732, 35.4253 by changing the saturation by 10% instead.


 46.4677, 69.6732,
35.4253

 46.4677, 69.6732,
35.4253


363.3703,
459.4017, 341.4027


 32.8212, 51.2602,
23.7045


 84.1421, 118.7426,
69.3031

 22.1481, 36.4157,
14.9044


 108.9008,
150.1677, 92.2972

 14.0830, 24.7554,
8.6064


 138.0942,
186.6990, 119.8862

 8.2605, 15.8949,
4.3921

172.0877,
228.7209, 152.4886

 4.3153, 9.4498,
1.8428

211.2467,
276.6177, 190.5229

 1.8820, 5.0357,
0.4560

255.9366,

 0.5663, 2.2682,

330.7738, 234.4076

0.0000

306.5227,
391.5737, 284.5614

0.0000, 0.7568,
0.0000

0.0000, 0.0000,
0.0000

46.4677, 69.6732,
35.4253

46.4677, 69.6732,
35.4253

41.3264, 67.2057,
27.0144

52.8771, 72.7540,
45.9077

37.3643, 65.3025,
20.5336

60.6253, 76.4759,
58.5813

34.4894, 63.9215,
15.8310

69.7842, 80.8754,
73.5623

32.5938, 63.0110,
12.7303

80.4190, 85.9838,
90.9572

■ 31.5476, 62.5084,
11.0188

■ 90.4515, 90.8029,
107.3672

■ 31.1615, 62.3230,
10.3873

Harmonies

Analogous

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



56.4868, 69.6732, 22.4741



46.4677, 69.6732, 35.4253



41.9312, 69.6732, 64.0377

Triad

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



46.4677, 69.6732, 35.4253



61.9534, 69.6732, 187.9947



96.4037, 69.6732, 50.1180

Complementary

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



46.4677, 69.6732, 35.4253



60.8980, 43.2829, 87.5847

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.



98.4457, 69.6732, 89.0596



46.4677, 69.6732, 35.4253



77.0167, 69.6732, 179.8362

Square

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



46.4677, 69.6732, 35.4253



49.9574, 69.6732, 158.5182



90.9061, 69.6732, 139.1742



85.6821, 69.6732, 28.4985

Rectangle

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



46.4677, 69.6732, 35.4253



42.0791, 69.6732, 92.7284



90.9061, 69.6732, 139.1742



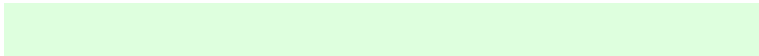
98.1851, 69.6732, 61.1763

Sweetspot

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



46.4694, 69.6761, 35.4269



79.0031, 92.2918, 82.6526



71.7585, 82.7131, 36.6095



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.



46.4694, 69.6761, 35.4269



47.9088, 77.3557, 31.7924



51.0490, 71.5080, 59.5425



15.5660, 17.6564, 16.7374



17.0575, 34.1150, 5.6860



1.4190, 2.8381, 0.4730

Inverse Universe

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



60.8980, 43.2829, 87.5847



66.6168, 43.1344, 99.4199



54.4095, 40.6875, 53.4165



16.4543, 16.0314, 19.9487



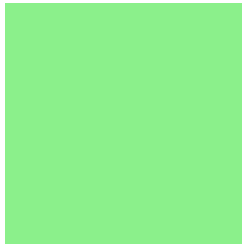
28.2809, 13.5848, 46.2571



2.3527, 1.1301, 3.8482

Previews

White Background



This preview shows how the XYZ color 46.4677, 69.6732, 35.4253 looks on a white background.

Color Contrast Check

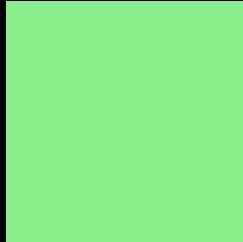
Large Text (above 18pt) WCAG AA × Fail

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 46.4677, 69.6732, 35.4253 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 46.4677, 69.6732, 35.4253

Background



This preview shows how black text looks on a background with the XYZ color 46.4677, 69.6732, 35.4253.



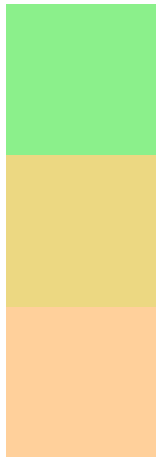
This preview shows how white text looks on a background with the XYZ color 46.4677, 69.6732,

35.4253.

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

46.4677, 69.6732, 35.4253

Protanopia

63.1772, 68.5563, 31.0220

Deuteranopia

69.7123, 68.7383, 40.6039



Tritanopia

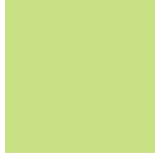
58.8752, 69.6142, 97.5226

Trichromacy



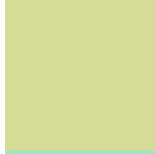
Original Color

46.4677, 69.6732, 35.4253



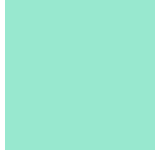
Protanomaly

55.2462, 67.9614, 32.3964



Deuteranomaly

58.4586, 67.5025, 38.3820



Tritanomaly

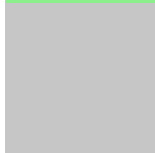
53.0680, 68.8936, 69.5323

Monochromacy



Original Color

46.4677, 69.6732, 35.4253



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.8615, 60.1099, 50.5694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4677, 69.6732, 35.4253 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(139, 240, 139)` looks like.

```
.text, #text, p{  
    color:rgb(139, 240, 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(139, 240, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 240, 139) }
```

Border

The CSS property to change the border of an element to XYZ 46.4677, 69.6732, 35.4253 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(139, 240, 139) }
```


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

```
.border{ border-color:rgb(139, 240, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 240, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 240, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 240, 139);  
box-shadow:4px 4px 4px 4px rgb(139, 240,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4677, 69.6732, 35.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 240, 139) }
```

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

```
.background{ background-color: rgb(139,  
240, 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](#).

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