

Converting Colors

XYZ(47.9366, 68.8379, 34.1499)

Have a look what the booklet for
XYZ(47.9366, 68.8379, 34.1499)
contains.

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Color

**XYZ(47.7658, 68.6385,
34.0236)**

Conversions

Conversions Part 1

Format	Color
Hex	9AEC88
RGB	154, 236, 136
RGB Percent	60%, 93%, 53%
CMY	0.3961, 0.0745, 0.4667
CMYK	0.35, 0.00, 0.42, 0.07
HSL	109°, 72%, 73%
HSV	109°, 42%, 93%
XYZ	47.7658, 68.6385, 34.0236
YIQ	200.0820, -16.7720, -48.4840

Conversions

Conversions Part 2

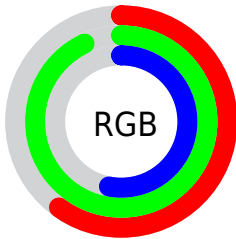
Format	Color
RYB	136, 236, 218
Decimal	10153096
CIELab	86.32, -43.53, 40.70
CIElCh	86, 59.597, 136.922
Yxy	68.6385, 0.3175, 0.4563
Android (android.graphics.Color)	4288343176 (0xFF9AEC88)
YUV	200.0820, -31.5924, -40.4139
Hunter-Lab	82.8484, -42.0714, 33.6450

Details

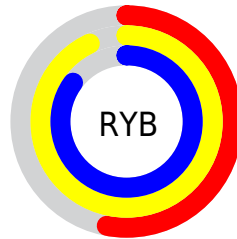
The XYZ color **47.7658, 68.6385, 34.0236** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.8611, 38.5720, 84.0196**, and the grayscale version is **55.1476, 58.0196, 63.1834**.

A 20% lighter version of the original color is **72.0279, 89.1305, 62.6978**, and **23.0671, 35.9353, 14.1079** is the 20% darker color. If you saturate the color by 10%, you get **42.8790, 66.2942, 25.9831**, and if you desaturate by 10%, it is **53.6192, 71.4425, 44.0398**.

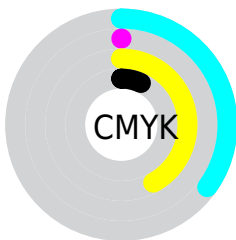
Distribution



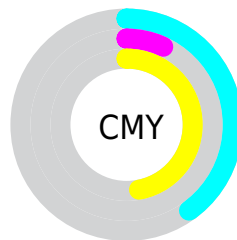
- Red (60%)
- Green (93%)
- Blue (53%)



- Red (53%)
- Yellow (93%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (42%)
- Black (7%)





- Cyan (40%)
- Magenta (7%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7658, 68.6385, 34.0236 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 47.7658, 68.6385, 34.0236 by changing the saturation by 10% instead.

 47.7658, 68.6385,
34.0236


 47.7658, 68.6385,
34.0236


368.4611,
455.7549, 335.0096


 33.8519, 50.4174,
22.6342


 86.0674, 117.2651,
67.1047

 22.9422, 35.7451,
14.1209


 111.1859,
148.4393, 89.6335

 14.6713, 24.2374,
8.0651


 140.7699,
184.7001, 116.7125

 8.6738, 15.5098,
4.0483

175.1849,
226.4317, 148.7602

 4.5845, 9.1780,
1.6519

214.7961,
274.0186, 186.1953

 2.0378, 4.8575,
0.3274

259.9690,

 0.6551, 2.1639,

327.8452, 229.4362

0.0000

311.0689,
388.2958, 278.9014

0.0000, 0.7002,
0.0000

0.0000, 0.0000,
0.0000

47.7658, 68.6385,
34.0236

47.7658, 68.6385,
34.0236

42.8790, 66.2942,
25.9831

53.6192, 71.4425,
44.0398

38.9007, 64.3765,
19.7833


60.4829, 74.7200,
56.1457

35.7745, 62.8613,
15.2796


68.4040, 78.4950,
70.4519


33.4351, 61.7187,
12.3039

77.4250, 82.7873,
87.0601

 31.8068, 60.9142,
10.6535

 87.5864, 87.6155,
106.0655

 30.9712, 60.4960,
10.0445

 89.2868, 88.4737,
106.9789

Harmonies

Analogous

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



57.8399, 68.6385, 23.1709



47.7658, 68.6385, 34.0236



42.7206, 68.6385, 58.8745

Triad

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



47.7658, 68.6385, 34.0236



59.4359, 68.6385, 175.4486



93.9513, 68.6385, 54.7866

Complementary

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



47.7658, 68.6385, 34.0236



52.8611, 38.5720, 84.0196

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.



94.5381, 68.6385, 93.2168



47.7658, 68.6385, 34.0236



73.2433, 68.6385, 173.1359

Square

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



47.7658, 68.6385, 34.0236



48.7922, 68.6385, 144.8308



86.5249, 68.6385, 139.3177



85.0194, 68.6385, 31.9414

Rectangle

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



47.7658, 68.6385, 34.0236



42.3498, 68.6385, 84.2406



86.5249, 68.6385, 139.3177



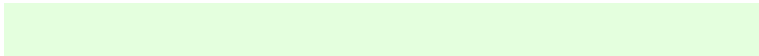
95.1710, 68.6385, 65.9740

Sweetspot

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



47.7675, 68.6414, 34.0251



80.8613, 93.2498, 82.7390



64.0240, 69.5838, 33.3502



16.8400, 19.7366, 16.8595



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.



47.7675, 68.6414, 34.0251



51.7356, 79.3285, 31.9705



47.1878, 68.0430, 47.5314



15.1211, 16.9925, 16.0016



17.1480, 33.3846, 5.5401



1.4190, 2.6588, 0.4384

Inverse Universe

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



52.8611, 38.5720, 84.0196



58.5245, 38.9626, 99.0437



54.3379, 39.8187, 62.1611



15.4335, 15.1687, 19.0367



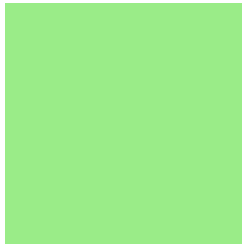
20.6428, 9.6777, 44.5229



1.6903, 0.7957, 3.4994

Previews

White Background



This preview shows how the XYZ color 47.7658, 68.6385, 34.0236 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 47.7658, 68.6385, 34.0236 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 47.7658, 68.6385, 34.0236

Background



This preview shows how black text looks on a background with the XYZ color 47.7658, 68.6385, 34.0236.



This preview shows how white text looks on a background with the XYZ color 47.7658, 68.6385,

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

47.7658, 68.6385, 34.0236

Protanopia

62.4577, 67.8216, 30.2211

Deuteranopia

68.8163, 67.6046, 38.2761



Tritanopia

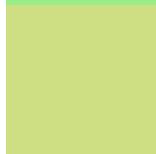
59.9162, 68.6064, 94.0888

Trichromacy



Original Color

47.7658, 68.6385, 34.0236



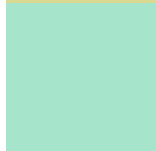
Protanomaly

55.9380, 67.5359, 31.5602



Deuteranomaly

58.8371, 66.5755, 36.5374



Tritanomaly

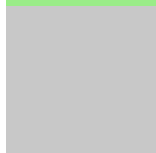
54.2488, 67.9056, 66.7478

Monochromacy



Original Color

47.7658, 68.6385, 34.0236



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.2585, 60.8301, 50.6347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7658, 68.6385, 34.0236 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(154, 236, 136)` looks like.

```
.text, #text, p{  
    color:rgb(154, 236, 136)  
}
```

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(154, 236, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 236, 136) }
```

Border

The CSS property to change the border of an element to XYZ 47.7658, 68.6385, 34.0236 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(154, 236, 136) }
```


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

```
.border{ border-color:rgb(154, 236, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 236, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 236, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 236, 136); box-shadow:4px 4px 4px 4px rgb(154, 236, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7658, 68.6385, 34.0236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 236, 136) }
```

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

```
.background{ background-color: rgb(154,  
236, 136) }
```

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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