

Converting Colors

XYZ(47.5706, 63.9662, 43.5183)

Have a look what the booklet for
XYZ(47.5706, 63.9662, 43.5183)
contains.

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Color

**XYZ(47.7299, 64.2350,
43.6012)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9EE2A1 |
| RGB | 158, 226, 161 |
| RGB Percent | 62%, 89%, 63% |
| CMY | 0.3804, 0.1137, 0.3686 |
| CMYK | 0.30, 0.00, 0.29, 0.11 |
| HSL | 123°, 54%, 75% |
| HSV | 123°, 30%, 89% |
| XYZ | 47.7299, 64.2350, 43.6012 |
| YIQ | 198.2580, -19.6630, -34.6310 |

Conversions

Conversions Part 2

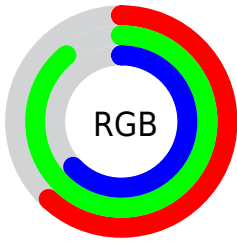
| Format | Color |
|-------------------------------------|--|
| RYB | 158, 223, 226 |
| Decimal | 10412705 |
| CIELab | 84.09, -33.99, 25.15 |
| CIELCh | 84, 42.283, 143.501 |
| Yxy | 64.2350, 0.3068, 0.4129 |
| Android (android.graphics.Color) | 4288602785 (0xFF9EE2A1) |
| YUV | 198.2580, -18.3682, -35.3063 |
| Hunter-Lab | 80.1467, -33.9544, 23.8479 |

Details

The XYZ color **47.7299, 64.2350, 43.6012** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.9123, 45.9515, 75.6844**, and the grayscale version is **53.9516, 56.7613, 61.8131**.

A 20% lighter version of the original color is **75.8862, 90.7740, 78.4873**, and **22.8440, 32.7966, 19.5944** is the 20% darker color. If you saturate the color by 10%, you get **41.9433, 61.4552, 34.2307**, and if you desaturate by 10%, it is **54.6665, 67.5733, 54.7463**.

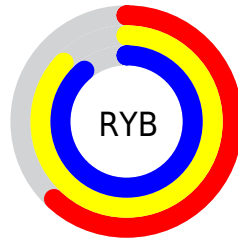
Distribution



Red (62%)

Green (89%)

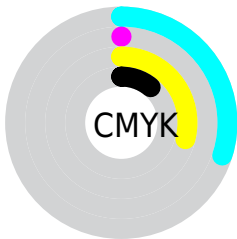
Blue (63%)



Red (62%)

Yellow (87%)

Blue (89%)

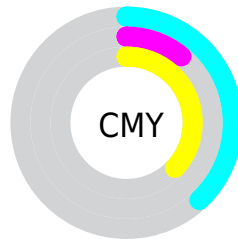


Cyan (30%)

Magenta (0%)

Yellow (29%)

Black (11%)



Cyan (38%)


Magenta (11%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7299, 64.2350, 43.6012 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 47.7299, 64.2350, 43.6012 by changing the saturation by 10% instead.


 47.7299, 64.2350,
43.6012


 47.7299, 64.2350,
43.6012

368.3210,
440.0378, 377.0720

 33.8234, 46.8410,
30.0222


 86.0142, 110.9493,
81.9134

 22.9202, 32.9100,
19.6033


 111.1228,
141.0384, 107.4837

 14.6550, 22.0575,
11.9258


140.6961,
176.1281, 137.8881

 8.6623, 13.8992,
6.5712

175.0995,
216.6026, 173.5453

 4.5769, 8.0506,
3.1211

214.6983,
262.8465, 214.8737

 2.0334, 4.1273,
1.1568

259.8579,

 0.6526, 1.7450,

315.2440, 262.2920

0.0000

310.9437,
374.1797, 316.2185

0.0000, 0.4526,
0.0000

0.0000, 0.0000,
0.0000

47.7299, 64.2350,
43.6012

47.7299, 64.2350,
43.6012

41.9433, 61.4552,
34.2307

54.6665, 67.5733,
54.7463

37.2399, 59.1959,
26.5393

62.8053, 71.4897,
67.7465

33.5537, 57.4270,
20.4291

72.2013, 76.0127,
82.6823

30.8097, 56.1122,
15.7902

82.9045, 81.1664,
99.6284

■ 28.9220, 55.2100,
12.4988

■ 86.4876, 82.8752,
106.0459

■ 27.7897, 54.6713,
10.4110

■ 27.2523, 54.4171,
9.3536

Harmonies

Analogous

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



54.1711, 64.2350, 32.5942



47.7299, 64.2350, 43.6012



44.8978, 64.2350, 64.2819

Triad

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



47.7299, 64.2350, 43.6012



59.0441, 64.2350, 134.4672



79.0399, 64.2350, 51.3776

Complementary

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



47.7299, 64.2350, 43.6012



56.9123, 45.9515, 75.6844

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.



80.6828, 64.2350, 75.9229



47.7299, 64.2350, 43.6012



68.4953, 64.2350, 128.4757

Square

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



47.7299, 64.2350, 43.6012



50.9861, 64.2350, 119.9440



76.6509, 64.2350, 105.1944



72.3657, 64.2350, 36.2186

Rectangle

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



47.7299, 64.2350, 43.6012



45.2087, 64.2350, 82.6435



76.6509, 64.2350, 105.1944



80.2252, 64.2350, 58.6118

Sweetspot

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



47.7316, 64.2377, 43.6026



83.7719, 94.5710, 90.9766



64.0285, 72.6693, 43.0001



17.5681, 20.0676, 18.8951



0.0000, 0.0000, 0.0000



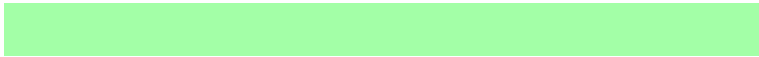
20.3446, 21.4041, 23.3091

Same Dimension

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



47.7316, 64.2377, 43.6026



57.9036, 82.1270, 49.4814



51.0663, 65.5716, 61.1629



13.5532, 15.3470, 14.6823



15.5581, 31.0481, 5.3959



1.0872, 2.1556, 0.4202

Inverse Universe

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



56.9123, 45.9515, 75.6844



71.7772, 54.4873, 97.9583



52.8579, 44.3297, 54.3346



14.2675, 13.9246, 17.1790



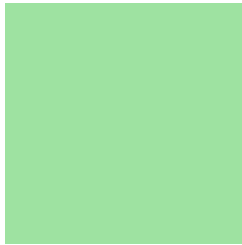
24.9783, 12.0583, 38.1471



1.7396, 0.8391, 2.6874

Previews

White Background



This preview shows how the XYZ color 47.7299, 64.2350, 43.6012 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 47.7299, 64.2350, 43.6012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

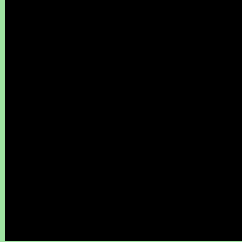
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7299, 64.2350, 43.6012

Background



This preview shows how black text looks on a background with the XYZ color 47.7299, 64.2350, 43.6012.

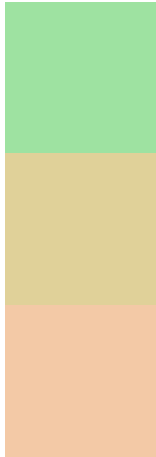


This preview shows how white text looks on a background with the XYZ color 47.7299, 64.2350,

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

47.7299, 64.2350, 43.6012

Protanopia

59.2907, 63.7481, 39.3167

Deuteranopia

64.7317, 63.5811, 44.9371



Tritanopia

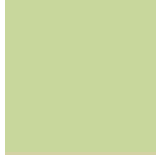
56.4587, 64.2241, 87.2627

Trichromacy



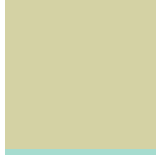
Original Color

47.7299, 64.2350, 43.6012



Protanomaly

54.1206, 63.2805, 40.8144



Deuteranomaly

56.8988, 62.7706, 44.2390



Tritanomaly

52.5816, 63.7984, 68.5745

Monochromacy



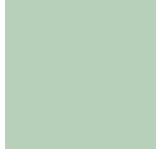
Original Color

47.7299, 64.2350, 43.6012



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.8413, 58.6818, 54.5460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7299, 64.2350, 43.6012 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, 226, 161)` looks like.

```
.text, #text, p{  
    color:rgb(158, 226, 161)  
}
```

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, 226, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 226, 161) }
```

Border

The CSS property to change the border of an element to XYZ 47.7299, 64.2350, 43.6012 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, 226, 161) }
```


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

```
.border{ border-color:rgb(158, 226, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 226, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 226, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 226, 161);  
box-shadow:4px 4px 4px 4px rgb(158, 226,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7299, 64.2350, 43.6012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 226, 161) }
```

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

```
.background{ background-color: rgb(158,  
226, 161) }
```

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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