

Converting Colors

XYZ(43.0832, 63.3322, 34.1999)

Have a look what the booklet for
XYZ(43.0832, 63.3322, 34.1999)
contains.

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Color

**XYZ(42.9960, 63.2211,
34.3629)**

Conversions

Conversions Part 1

Format	Color
Hex	89E58B
RGB	137, 229, 139
RGB Percent	54%, 90%, 55%
CMY	0.4627, 0.1019, 0.4549
CMYK	0.40, 0.00, 0.39, 0.10
HSL	121°, 64%, 72%
HSV	121°, 40%, 90%
XYZ	42.9960, 63.2211, 34.3629
YIQ	191.2320, -25.9420, -47.4940

Conversions

Conversions Part 2

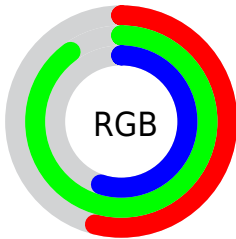
Format	Color
RYB	137, 227, 229
Decimal	9037195
CIELab	83.56, -45.31, 35.49
CIElCh	84, 57.549, 141.931
Yxy	63.2211, 0.3058, 0.4497
Android (android.graphics.Color)	4287227275 (0xFF89E58B)
YUV	191.2320, -25.7504, -47.5615
Hunter-Lab	79.5117, -42.6215, 30.0346

Details

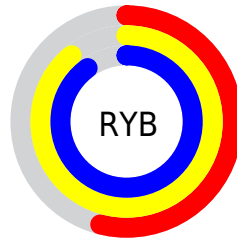
The XYZ color **42.9960, 63.2211, 34.3629** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **55.1258, 40.0964, 77.5088**, and the grayscale version is **49.8128, 52.4070, 57.0712**.

A 20% lighter version of the original color is **67.6338, 86.8396, 63.6491**, and **20.0984, 32.3411, 14.4157** is the 20% darker color. If you saturate the color by 10%, you get **38.1605, 60.9003, 26.4504**, and if you desaturate by 10%, it is **48.9668, 66.0921, 44.0819**.

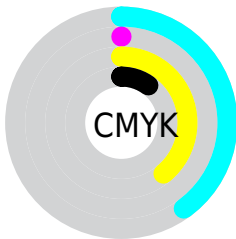
Distribution



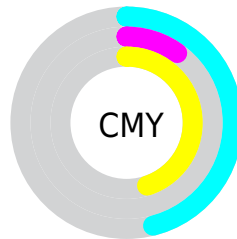
- Red (54%)
- Green (90%)
- Blue (55%)



- Red (54%)
- Yellow (89%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (39%)
- Black (10%)





- Cyan (46%)
- Magenta (10%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9960, 63.2211, 34.3629 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 42.9960, 63.2211, 34.3629 by changing the saturation by 10% instead.


 42.9960, 63.2211,
34.3629


 42.9960, 63.2211,
34.3629


349.5171,
436.3715, 336.5656


 30.0765, 46.0201,
22.8929


 78.9606, 109.4884,
67.6379

 20.0450, 32.2617,
14.3099


 102.7363,
139.3235, 90.2801

 12.5362, 21.5615,
8.1953


 130.8616,
174.1388, 117.4834

 7.1848, 13.5350,
4.1306

163.7016,
214.3187, 149.6663

 3.6253, 7.7980,
1.6973

201.6218,
260.2474, 187.2475

 1.4924, 3.9660,
0.3589


244.9876,

 0.3207, 1.6545,


312.3096, 230.6454


0.0000


294.1642,
370.8895, 280.2786


 0.0000, 0.3940,
0.0000


 0.0000, 0.0000,
0.0000


 42.9960, 63.2211,
34.3629


 42.9960, 63.2211,
34.3629

 38.1605, 60.9003,
26.4504


 48.9668, 66.0921,
44.0819


 34.3840, 59.0872,
20.2292


 56.1333, 69.5367,
55.7047


 31.5885, 57.7461,
15.5773


 64.5575, 73.5868,
69.3268


 29.6831, 56.8333,
12.3550

 74.2955, 78.2693,
85.0361

 28.5603, 56.2966,
10.3975

 85.4003, 83.6098,
102.9149

 28.0479, 56.0521,
9.4840

 87.3106, 84.5212,
106.3202

Harmonies

Analogous

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



51.5052, 63.2211, 22.5151



42.9960, 63.2211, 34.3629



39.1914, 63.2211, 59.5690

Triad

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



42.9960, 63.2211, 34.3629



56.7599, 63.2211, 162.6606



85.4210, 63.2211, 46.0808

Complementary

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



42.9960, 63.2211, 34.3629



55.1258, 40.0964, 77.5088

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.



87.3445, 63.2211, 79.0197



42.9960, 63.2211, 34.3629



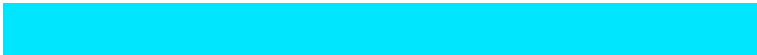
69.5788, 63.2211, 155.1078

Square

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



42.9960, 63.2211, 34.3629



46.3818, 63.2211, 138.9973



81.2023, 63.2211, 120.9621



76.2630, 63.2211, 27.4507

Rectangle

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



42.9960, 63.2211, 34.3629



39.4045, 63.2211, 84.1657



81.2023, 63.2211, 120.9621



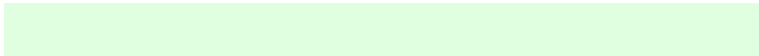
86.9819, 63.2211, 55.4926

Sweetspot

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



42.9976, 63.2238, 34.3643



80.2242, 92.8711, 84.9790



64.3634, 74.2550, 34.6074



16.8576, 19.7274, 17.6821



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.



42.9976, 63.2238, 34.3643



49.7616, 78.2308, 35.4964



47.0452, 64.8428, 55.6789



14.2020, 16.0942, 15.3285



16.0413, 32.0486, 5.4521



1.1899, 2.3701, 0.4266

Inverse Universe

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



55.1258, 40.0964, 77.5088



67.1969, 44.9754, 97.5146



49.6490, 37.9057, 48.6686



14.9809, 14.6095, 18.0996



26.1752, 12.6043, 41.4130



1.9386, 0.9331, 3.0831

Previews

White Background



This preview shows how the XYZ color 42.9960, 63.2211, 34.3629 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 42.9960, 63.2211, 34.3629 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 42.9960, 63.2211, 34.3629

Background



This preview shows how black text looks on a background with the XYZ color 42.9960, 63.2211, 34.3629.



This preview shows how white text looks on a background with the XYZ color 42.9960, 63.2211,

34.3629.

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

42.9960, 63.2211, 34.3629

Protanopia

57.7061, 62.4061, 30.1232

Deuteranopia

63.3884, 62.0563, 35.8313



Tritanopia

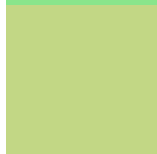
53.7771, 63.2089, 87.9634

Trichromacy



Original Color

42.9960, 63.2211, 34.3629



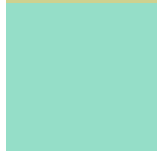
Protanomaly

50.7822, 61.7637, 31.4354



Deuteranomaly

53.2120, 60.7059, 34.8994



Tritanomaly

48.9410, 62.8022, 64.1862

Monochromacy



Original Color

42.9960, 63.2211, 34.3629



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.0723, 55.2991, 47.2753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9960, 63.2211, 34.3629 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(137, 229, 139)` looks like.

```
.text, #text, p{  
    color:rgb(137, 229, 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(137, 229, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 229, 139) }
```

Border

The CSS property to change the border of an element to XYZ 42.9960, 63.2211, 34.3629 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(137, 229, 139) }
```


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

```
.border{ border-color:rgb(137, 229, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 229, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 229, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 229, 139); box-shadow:4px 4px 4px 4px rgb(137, 229, 139) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9960, 63.2211, 34.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 229, 139) }
```

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

```
.background{ background-color: rgb(137,  
229, 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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