

Converting Colors

XYZ(59.8726, 70.0705, 34.6689)

Have a look what the booklet for
XYZ(59.8726, 70.0705, 34.6689)
contains.

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Color

**XYZ(59.6348, 69.7743,
34.7508)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E08B
RGB	216, 224, 139
RGB Percent	85%, 88%, 55%
CMY	0.1529, 0.1215, 0.4549
CMYK	0.04, 0.00, 0.38, 0.12
HSL	66°, 58%, 71%
HSV	66°, 38%, 88%
XYZ	59.6348, 69.7743, 34.7508
YIQ	211.9180, 22.5170, -28.1310

Conversions

Conversions Part 2

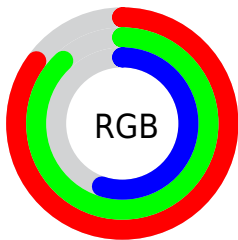
Format	Color
RYB	139, 224, 147
Decimal	14213259
CIELab	86.89, -15.43, 40.71
CIELCh	87, 43.537, 110.755
Yxy	69.7743, 0.3633, 0.4250
Android (android.graphics.Color)	4292403339 (0xFFD8E08B)
YUV	211.9180, -35.9486, 3.5799
Hunter-Lab	83.5310, -18.7438, 33.8057

Details

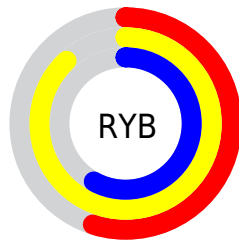
The XYZ color **59.6348, 69.7743, 34.7508** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **34.7223, 30.0519, 74.4955**, and the grayscale version is **62.7472, 66.0150, 71.8903**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **30.4055, 36.5376, 14.4668** is the 20% darker color. If you saturate the color by 10%, you get **57.5443, 68.8690, 26.9673**, and if you desaturate by 10%, it is **62.0721, 70.8241, 44.3037**.

Distribution



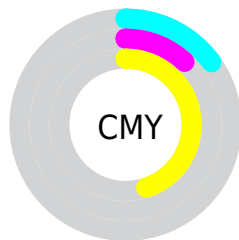
- Red (85%)
- Green (88%)
- Blue (55%)



- Red (55%)
- Yellow (88%)
- Blue (58%)



- Cyan (4%)
- Magenta (0%)
- Yellow (38%)
- Black (12%)



- Cyan (15%)
- Magenta (12%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6348, 69.7743, 34.7508 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 59.6348, 69.7743, 34.7508 by changing the saturation by 10% instead.

■ 59.6348, 69.7743,
34.7508

■ 59.6348, 69.7743,
34.7508

413.1067,
459.7571, 338.3378

■ 43.3727, 51.3426,
23.1890

■ 103.4091,
118.8868, 68.2467

■ 30.3734, 36.4813,
14.5265

■ 131.6519,
150.3364, 91.0179

■ 20.2717, 24.8061,
8.3448

■ 164.6191,
186.8941, 118.3626

■ 12.7021, 15.9327,
4.2255

202.6759,
228.9442, 150.6993

■ 7.2993, 9.4765,
1.7498

246.1877,
276.8711, 188.4467

■ 3.6980, 5.0533,
0.3945

295.5199,

■ 1.5327, 2.2786,

331.0594, 232.0232

0.0000

351.0377,
391.8932, 281.8474

■ 0.3479, 0.7623,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.6348, 69.7743,
34.7508

■ 59.6348, 69.7743,
34.7508

■ 57.5443, 68.8690,
26.9673

■ 62.0721, 70.8241,
44.3037

■ 55.7749, 68.0906,
20.8403

■ 64.8700, 72.0167,
55.7211


■ 54.3053, 67.4331,
16.2506


■ 68.0477, 73.3621,
69.0965


■ 53.1094, 66.8859,
13.0613


■ 71.6215, 74.8669,
84.5156


 52.1568, 66.4370,
11.1116


 75.6069, 76.5372,
102.0594

 51.4044, 66.0691,
10.1754

 76.9112, 77.1361,
105.4428

 51.2611, 65.9981,
10.0372

 77.5872, 77.4846,
105.4745

 78.2714, 77.8373,
105.5065

 78.9638, 78.1942,
105.5389

Harmonies

Analogous

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



69.5061, 69.7743, 33.0554



59.6348, 69.7743, 34.7508



52.3128, 69.7743, 45.7940

Triad

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



59.6348, 69.7743, 34.7508



54.7132, 69.7743, 128.0495



87.5250, 69.7743, 85.3183

Complementary

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



59.6348, 69.7743, 34.7508



34.7223, 30.0519, 74.4955

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.



82.6241, 69.7743, 117.1403



59.6348, 69.7743, 34.7508



63.2296, 69.7743, 145.6387

Square

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



59.6348, 69.7743, 34.7508



49.6793, 69.7743, 97.5693



73.4836, 69.7743, 141.2039



86.3109, 69.7743, 57.8235

Rectangle

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



59.6348, 69.7743, 34.7508



49.5342, 69.7743, 58.9859



73.4836, 69.7743, 141.2039



86.5209, 69.7743, 95.9419

Sweetspot

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



59.6365, 69.7774, 34.7523



89.8930, 97.8257, 86.7812



45.6948, 38.2967, 29.4107



19.1144, 20.8853, 18.0411



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.



59.6365, 69.7774, 34.7523



77.6177, 92.5710, 37.7081



48.8669, 64.2255, 34.2483



14.7378, 15.9605, 14.6107



29.8890, 38.4409, 5.8445



2.1093, 2.6839, 0.4069

Inverse Universe

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



34.7223, 30.0519, 74.4955



39.4438, 31.6768, 98.6431



43.5724, 34.6142, 74.9097



13.0712, 13.3047, 17.2668



8.0551, 3.2479, 41.2507



0.6000, 0.2466, 2.8612

Previews

White Background



This preview shows how the XYZ color 59.6348, 69.7743, 34.7508 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 59.6348, 69.7743, 34.7508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

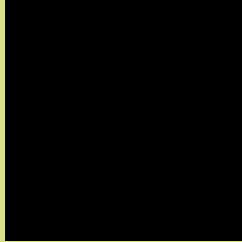
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.6348, 69.7743, 34.7508

Background



This preview shows how black text looks on a background with the XYZ color 59.6348, 69.7743, 34.7508.



This preview shows how white text looks on a background with the XYZ color 59.6348, 69.7743,

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

59.6348, 69.7743, 34.7508

Protanopia

64.1818, 69.4078, 33.3069

Deuteranopia

70.1263, 69.2952, 41.5776



Tritanopia

69.7557, 69.6326, 84.6268

Trichromacy



Original Color

59.6348, 69.7743, 34.7508

Protanomaly

62.4217, 69.6506, 33.8208

Deuteranomaly

65.8272, 68.9959, 38.7022

Tritanomaly

65.3223, 69.3449, 62.7654

Monochromacy



Original Color

59.6348, 69.7743, 34.7508

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

60.7534, 66.7607, 55.5830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6348, 69.7743, 34.7508 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(216, 224, 139)` looks like.

```
.text, #text, p{  
    color:rgb(216, 224, 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(216, 224, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 224, 139) }
```

Border

The CSS property to change the border of an element to XYZ 59.6348, 69.7743, 34.7508 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(216, 224, 139) }
```


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

```
.border{ border-color:rgb(216, 224, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 224, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 224, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 224, 139);  
box-shadow:4px 4px 4px 4px rgb(216, 224,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6348, 69.7743, 34.7508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 224, 139) }
```

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

```
.background{ background-color: rgb(216,  
224, 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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