

Converting Colors

XYZ(35.7716, 38.8821, 45.0005)

Have a look what the booklet for
XYZ(35.7716, 38.8821, 45.0005)
contains.

XYZ(35.8222, 38.9347, 45.1623)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.8222, 38.9347,
45.1623)**

Conversions

Conversions Part 1

Format	Color
Hex	9DAAAD
RGB	157, 170, 173
RGB Percent	62%, 67%, 68%
CMY	0.3843, 0.3333, 0.3216
CMYK	0.09, 0.02, 0.00, 0.32
HSL	191°, 9%, 65%
HSV	191°, 9%, 68%
XYZ	35.8222, 38.9347, 45.1623
YIQ	166.4550, -8.7110, -1.8230

Conversions

Conversions Part 2

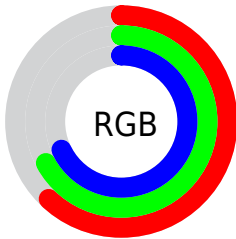
Format	Color
RYB	157, 164, 173
Decimal	10332845
CIELab	68.70, -3.94, -3.11
CIELCh	69, 5.018, 218.338
Yxy	38.9347, 0.2987, 0.3247
Android (android.graphics.Color)	4288522925 (0xFF9DAAAD)
YUV	166.4550, 3.2267, -8.2920
Hunter-Lab	62.3977, -6.7200, 0.7654

Details

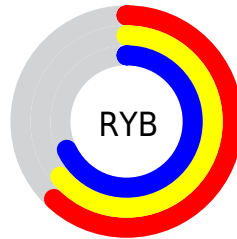
The XYZ color **35.8222, 38.9347, 45.1623** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.8904, 36.4600, 37.0448**, and the grayscale version is **36.4546, 38.3530, 41.7665**.

A 20% lighter version of the original color is **68.0802, 73.4489, 83.9876**, and **15.8735, 17.4015, 20.6114** is the 20% darker color. If you saturate the color by 10%, you get **32.0832, 36.1174, 44.8162**, and if you desaturate by 10%, it is **40.0564, 42.0317, 45.5375**.

Distribution



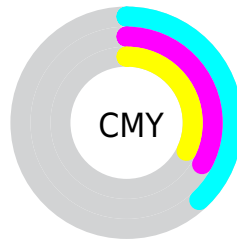
- Red (62%)
- Green (67%)
- Blue (68%)



- Red (62%)
- Yellow (64%)
- Blue (68%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (32%)



- Cyan (38%)
- Magenta (33%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8222, 38.9347, 45.1623 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 35.8222, 38.9347, 45.1623 by changing the saturation by 10% instead.

■ 35.8222, 38.9347,
45.1623

■ 35.8222, 38.9347,
45.1623

319.6276,
341.6128, 383.6098

■ 24.4664, 26.7089,
31.2414

■ 68.0832, 73.5386,
84.2849

■ 15.8065, 17.3547,
20.5227

■ 89.7191, 96.6854,
110.3238

■ 9.4773, 10.4877,
12.5878

115.5124,
124.2415, 141.2390

■ 5.1134, 5.7235,
7.0179

145.8285,
156.5910, 177.4491

■ 2.3494, 2.6777,
3.3947

181.0327,
194.1186, 219.3727

■ 0.8198, 0.9659,
1.2995

221.4904,

■ 0.0000, 0.0000,

237.2084, 267.4283

0.0614

267.5669,
286.2450, 322.0345

■ 0.0000, 0.0000,
0.0000

■ 35.8222, 38.9347,
45.1623

■ 35.8222, 38.9347,
45.1623

■ 32.0832, 36.1174,
44.8162

■ 40.0564, 42.0317,
45.5375

■ 28.8160, 33.5642,
44.4956

■ 44.8012, 45.4133,
45.9401

■ 26.0001, 31.2657,
44.2003

■ 50.0758, 49.0905,
46.3719

■ 23.6124, 29.2097,
43.9293

■ 55.8972, 53.0723,
46.8337

■ 21.6275, 27.3829,
43.6813

■ 62.2815, 57.3671,
47.3262

■ 20.0173, 25.7708,
43.4550

■ 67.0774, 60.8661,
47.7488

■ 18.7501, 24.3567,
43.2489

■ 67.7846, 62.2805,
47.9845

■ 17.7886, 23.1213,
43.0611

■ 68.5074, 63.7262,
48.2254

■ 17.0598, 22.0268,
42.8882

■ 69.2461, 65.2035,
48.4717

Harmonies

Analogous

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



35.5169, 38.9347, 43.0301



35.8222, 38.9347, 45.1623



36.4458, 38.9347, 46.5860

Triad

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



35.8222, 38.9347, 45.1623



38.4427, 38.9347, 44.0270



36.7854, 38.9347, 38.2146

Complementary

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



35.8222, 38.9347, 45.1623



35.8904, 36.4600, 37.0448

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.



37.5724, 38.9347, 38.4600



35.8222, 38.9347, 45.1623



38.5367, 38.9347, 41.7627

Square

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



35.8222, 38.9347, 45.1623



37.9609, 38.9347, 45.9144



38.2161, 38.9347, 39.7398



36.0678, 38.9347, 39.0569

Rectangle

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



35.8222, 38.9347, 45.1623



36.9620, 38.9347, 46.9134



38.2161, 38.9347, 39.7398



37.0506, 38.9347, 38.1732

Sweetspot

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



35.8233, 38.9363, 45.1632



68.7479, 73.1074, 81.2935



35.1882, 39.5916, 39.0151



14.8089, 15.7919, 17.6553



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



35.8233, 38.9363, 45.1632



62.7869, 68.7126, 80.7594



34.3802, 36.0501, 44.6821



8.1069, 8.8131, 10.2265



12.5335, 16.2008, 31.5110



0.3812, 0.5157, 0.8874

Inverse Universe

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



36.5471, 35.9013, 43.0355



64.3417, 62.2438, 76.1776



37.3104, 39.2999, 37.5181



8.2718, 8.1220, 9.7418



16.1900, 7.9385, 19.1776



0.4668, 0.2274, 0.6199

Previews

White Background



This preview shows how the XYZ color 35.8222, 38.9347, 45.1623 looks on a white background.

Color Contrast Check

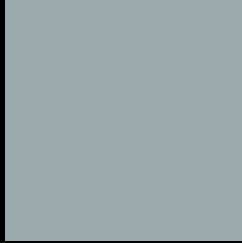
Large Text (above 18pt) WCAG AA × Fail

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 35.8222, 38.9347, 45.1623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

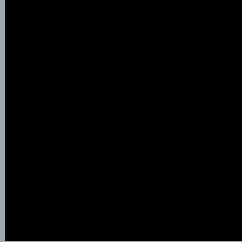
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

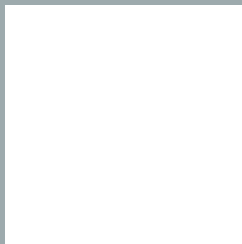
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8222, 38.9347, 45.1623

Background



This preview shows how black text looks on a background with the XYZ color 35.8222, 38.9347, 45.1623.



This preview shows how white text looks on a background with the XYZ color 35.8222, 38.9347,

45.1623.

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

35.8222, 38.9347, 45.1623

Protanopia

37.5316, 39.0127, 44.0802

Deuteranopia

39.4806, 38.6391, 45.9347



Tritanopia

36.9295, 39.1243, 49.8613

Trichromacy



Original Color

35.8222, 38.9347, 45.1623

Protanomaly

36.9661, 38.9832, 44.6059

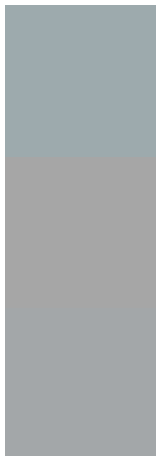
Deuteranomaly

38.1084, 38.7369, 45.5128

Tritanomaly

36.4252, 38.8997, 48.2364

Monochromacy



Original Color

35.8222, 38.9347, 45.1623

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.0844, 38.2885, 43.0247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8222, 38.9347, 45.1623 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(157, 170, 173)` looks like.

```
.text, #text, p{  
    color:rgb(157, 170, 173)  
}
```

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(157, 170, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 170, 173) }
```

Border

The CSS property to change the border of an element to XYZ 35.8222, 38.9347, 45.1623 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(157, 170, 173) }
```


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

```
.border{ border-color:rgb(157, 170, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 170, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 170, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 170, 173);  
box-shadow:4px 4px 4px 4px rgb(157, 170,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8222, 38.9347, 45.1623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 170, 173) }
```

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

```
.background{ background-color: rgb(157,  
170, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor