

Converting Colors

XYZ(40.5496, 56.6813, 36.4066)

Have a look what the booklet for
XYZ(40.5496, 56.6813, 36.4066)
contains.

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Color

**XYZ(40.6375, 56.7938,
36.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	8CD893
RGB	140, 216, 147
RGB Percent	55%, 85%, 58%
CMY	0.4510, 0.1529, 0.4235
CMYK	0.35, 0.00, 0.32, 0.15
HSL	126°, 49%, 70%
HSV	126°, 35%, 85%
XYZ	40.6375, 56.7938, 36.4242
YIQ	185.4100, -23.1470, -37.5710

Conversions

Conversions Part 2

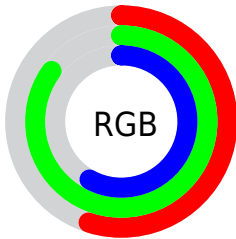
Format	Color
RYB	140, 210, 216
Decimal	9230483
CIELab	80.06, -37.39, 26.79
CIELCh	80, 45.998, 144.381
Yxy	56.7938, 0.3036, 0.4243
Android (android.graphics.Color)	4287420563 (0xFF8CD893)
YUV	185.4100, -18.9361, -39.8246
Hunter-Lab	75.3617, -35.6298, 24.0968

Details

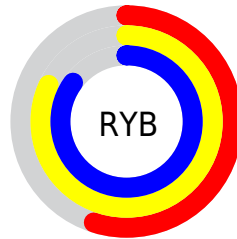
The XYZ color **40.6375, 56.7938, 36.4242** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **49.2074, 37.9596, 65.0570**, and the grayscale version is **46.4552, 48.8744, 53.2243**.

A 20% lighter version of the original color is **69.0676, 87.4728, 68.5020**, and **18.6939, 28.3127, 15.5460** is the 20% darker color. If you saturate the color by 10%, you get **35.9390, 54.5362, 28.8450**, and if you desaturate by 10%, it is **46.3157, 59.5294, 45.4210**.

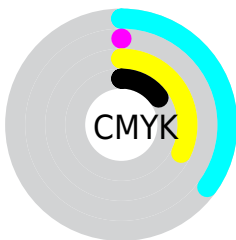
Distribution



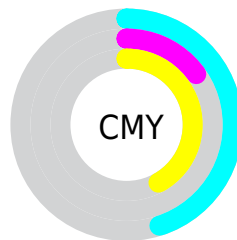
- Red (55%)
- Green (85%)
- Blue (58%)



- Red (55%)
- Yellow (82%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (32%)
- Black (15%)



- Cyan (45%)
- Magenta (15%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6375, 56.7938, 36.4242 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 40.6375, 56.7938, 36.4242 by changing the saturation by 10% instead.

■ 40.6375, 56.7938,
36.4242

■ 40.6375, 56.7938,
36.4242

339.8918,
412.6762, 345.9042

■ 28.2224, 40.8397,
24.4697

■ 75.4115, 100.1643,
70.8627

■ 18.6347, 28.1939,
15.4670

■ 98.5011, 128.3494,
94.1838

■ 11.5090, 18.4718,
8.9975

125.8795,
161.3804, 122.1308

■ 6.4801, 11.2893,
4.6428

157.9121,
199.6415, 155.1224

■ 3.1826, 6.2618,
1.9842

194.9643,
243.5173, 193.5769

■ 1.2510, 3.0049,
0.5455

237.4014,

■ 0.1461, 1.1343,

293.3921, 237.9131

0.0000

285.5888,
349.6503, 288.5493

■ 0.0000, 0.0070,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6375, 56.7938,
36.4242

■ 40.6375, 56.7938,
36.4242

■ 35.9390, 54.5362,
28.8450

■ 46.3157, 59.5294,
45.4210

■ 32.1606, 52.7225,
22.6077

■ 53.0201, 62.7607,
55.8985

■ 29.2428, 51.3253,
17.6350

■ 60.7997, 66.5132,
67.9207

■ 27.1174, 50.3115,
13.8406

■ 69.6988, 70.8085,
81.5465

■ 25.7059, 49.6424,
11.1272

■ 79.7593, 75.6670,
96.8319

■ 24.9132, 49.2715,
9.3817

■ 83.8470, 77.5940,
105.1657

■ 24.6824, 49.1642,
8.8458

Harmonies

Analogous

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



46.8899, 56.7938, 25.7810



40.6375, 56.7938, 36.4242



37.9836, 56.7938, 56.9298

Triad

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



40.6375, 56.7938, 36.4242



52.2384, 56.7938, 128.5906



72.0804, 56.7938, 42.9156

Complementary

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



40.6375, 56.7938, 36.4242



49.2074, 37.9596, 65.0570

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.



73.9367, 56.7938, 67.0221



40.6375, 56.7938, 36.4242



61.7528, 56.7938, 121.6378

Square

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



40.6375, 56.7938, 36.4242



44.1667, 56.7938, 113.8884



69.9654, 56.7938, 96.9601



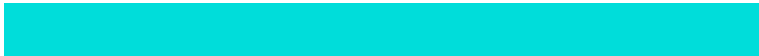
65.1506, 56.7938, 28.7002

Rectangle

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



40.6375, 56.7938, 36.4242



38.3624, 56.7938, 75.5380



69.9654, 56.7938, 96.9601



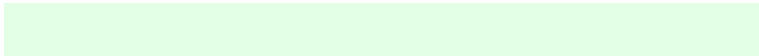
73.3496, 56.7938, 49.9049

Sweetspot

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



40.6390, 56.7962, 36.4255



81.6403, 93.5298, 88.2704



55.7754, 64.6609, 34.3523



17.1501, 19.8628, 18.3915



0.0000, 0.0000, 0.0000



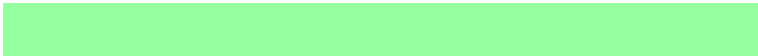
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6390, 56.7962, 36.4255



54.1061, 80.2671, 44.8836



44.0594, 58.1643, 54.4371



12.3084, 13.9144, 13.4386



14.6262, 29.1058, 5.3271



0.8985, 1.7621, 0.4074

Inverse Universe

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



49.2074, 37.9596, 65.0570



68.3161, 49.0092, 92.3527



45.1130, 36.3218, 43.4963



12.9014, 12.6121, 15.4210



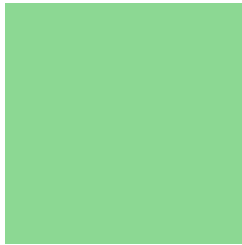
22.6877, 11.0114, 31.9891



1.3831, 0.6700, 2.0070

Previews

White Background



This preview shows how the XYZ color 40.6375, 56.7938, 36.4242 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 40.6375, 56.7938, 36.4242 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 40.6375, 56.7938, 36.4242

Background



This preview shows how black text looks on a background with the XYZ color 40.6375, 56.7938, 36.4242.



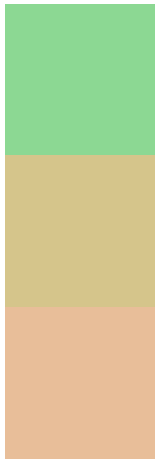
This preview shows how white text looks on a background with the XYZ color 40.6375, 56.7938,

36.4242.

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

40.6375, 56.7938, 36.4242

Protanopia

52.0670, 55.9427, 32.4799

Deuteranopia

57.4419, 56.2826, 37.9731



Tritanopia

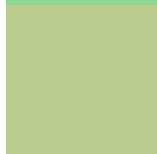
48.9082, 56.4389, 78.1281

Trichromacy



Original Color

40.6375, 56.7938, 36.4242



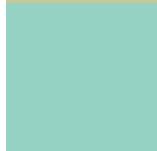
Protanomaly

46.7251, 55.5778, 33.8561



Deuteranomaly

49.5625, 55.2233, 37.3251



Tritanomaly

45.4746, 56.5173, 60.1419

Monochromacy



Original Color

40.6375, 56.7938, 36.4242



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.4528, 50.8551, 46.0539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6375, 56.7938, 36.4242 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(140, 216, 147)` looks like.

```
.text, #text, p{  
    color:rgb(140, 216, 147)  
}
```

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(140, 216, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 216, 147) }
```

Border

The CSS property to change the border of an element to XYZ 40.6375, 56.7938, 36.4242 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(140, 216, 147) }
```


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

```
.border{ border-color:rgb(140, 216, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 216, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 216, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 216, 147);  
box-shadow:4px 4px 4px 4px rgb(140, 216,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6375, 56.7938, 36.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 216, 147) }
```

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

```
.background{ background-color: rgb(140,  
216, 147) }
```

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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