

Converting Colors

XYZ(36.9354, 53.4303, 40.5420)

Have a look what the booklet for
XYZ(36.9354, 53.4303, 40.5420)
contains.

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Color

**XYZ(36.9175, 53.2686,
40.6839)**

Conversions

Conversions Part 1

Format	Color
Hex	74D49E
RGB	116, 212, 158
RGB Percent	45%, 83%, 62%
CMY	0.5451, 0.1686, 0.3804
CMYK	0.45, 0.00, 0.25, 0.17
HSL	146°, 53%, 64%
HSV	146°, 45%, 83%
XYZ	36.9175, 53.2686, 40.6839
YIQ	177.1400, -39.8820, -37.1460

Conversions

Conversions Part 2

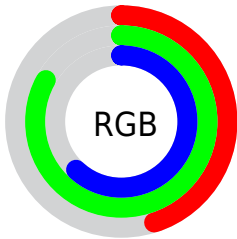
Format	Color
RYB	116, 183, 212
Decimal	7656606
CIELab	78.03, -40.50, 18.08
CIELCh	78, 44.355, 155.952
Yxy	53.2686, 0.2821, 0.4070
Android (android.graphics.Color)	4285846686 (0xFF74D49E)
YUV	177.1400, -9.4360, -53.6198
Hunter-Lab	72.9853, -37.4353, 18.0400

Details

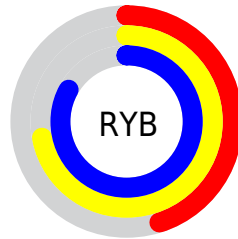
The XYZ color **36.9175, 53.2686, 40.6839** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.6542, 29.3913, 41.5625**, and the grayscale version is **41.9277, 44.1112, 48.0371**.

A 20% lighter version of the original color is **64.7835, 85.0948, 75.9613**, and **16.4621, 26.0844, 17.8028** is the 20% darker color. If you saturate the color by 10%, you get **33.4375, 51.5889, 35.4207**, and if you desaturate by 10%, it is **41.1430, 55.3240, 46.5043**.

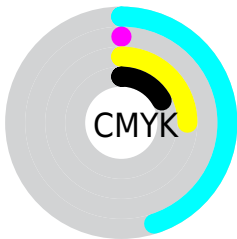
Distribution



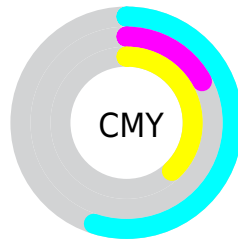
- Red (45%)
- Green (83%)
- Blue (62%)



- Red (45%)
- Yellow (72%)
- Blue (83%)



- Cyan (45%)
- Magenta (0%)
- Yellow (25%)
- Black (17%)





- Cyan (55%)
- Magenta (17%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9175, 53.2686, 40.6839 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 36.9175, 53.2686, 40.6839 by changing the saturation by 10% instead.


 36.9175, 53.2686,
40.6839


 36.9175, 53.2686,
40.6839


324.3149,
399.3148, 364.6352


 25.3170, 38.0172,
27.7543


 69.7605, 94.9995,
77.4523

 16.4434, 25.9961,
17.9031


 91.7338, 122.2478,
102.1281

 9.9313, 16.8207,
10.7117


 117.8953,
154.2639, 131.5565

 5.4153, 10.1067,
5.7616

148.6105,
191.4322, 166.1560

 2.5302, 5.4698,
2.6342

184.2447,
234.1370, 206.3450

 0.9105, 2.5255,
0.9101

225.1633,

 0.0000, 0.8893,

282.7628, 252.5422

0.0000

271.7316,
337.6939, 305.1661

■ 0.0000, 0.0000,
0.0000

■ 36.9175, 53.2686,
40.6839

■ 36.9175, 53.2686,
40.6839

■ 33.4375, 51.5889,
35.4207

■ 41.1430, 55.3240,
46.5043

■ 30.6515, 50.2545,
30.6942

■ 46.1527, 57.7703,
52.8945

■ 28.5082, 49.2404,
26.4876


■ 51.9873, 60.6298,
59.8711


■ 26.9465, 48.5157,
22.7820

■ 58.6837, 63.9211,
67.4490

■ 25.8920, 48.0424,
19.5568


■ 66.2763, 67.6617,
75.6423

 25.5092, 47.8748,
18.1942

 74.7976, 71.8682,
84.4650

 80.7335, 74.7285,
93.7643

 82.5787, 75.4667,
103.4815

 82.8345, 75.5690,
104.8282

Harmonies

Analogous

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



41.4851, 53.2686, 27.3691



36.9175, 53.2686, 40.6839



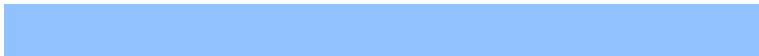
35.8321, 53.2686, 63.0777

Triad

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



36.9175, 53.2686, 40.6839



52.3733, 53.2686, 119.3996



65.3130, 53.2686, 34.3010

Complementary

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



36.9175, 53.2686, 40.6839



40.6542, 29.3913, 41.5625

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.



69.0272, 53.2686, 53.2032



36.9175, 53.2686, 40.6839



61.0293, 53.2686, 105.7008

Square

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



36.9175, 53.2686, 40.6839



44.1542, 53.2686, 113.2375



67.3767, 53.2686, 79.6425



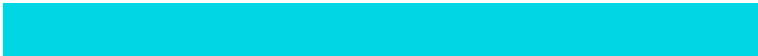
57.7103, 53.2686, 24.4850

Rectangle

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



36.9175, 53.2686, 40.6839



37.1068, 53.2686, 81.4260



67.3767, 53.2686, 79.6425



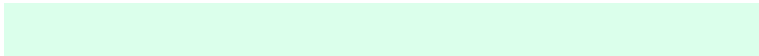
67.0948, 53.2686, 39.5630

Sweetspot

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



36.9189, 53.2708, 40.6851



80.0474, 92.6201, 92.1940



43.3618, 56.9410, 25.2289



16.6894, 19.6066, 19.2174



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.



36.9189, 53.2708, 40.6851



51.1265, 78.5187, 54.3401



41.8397, 55.2391, 66.5975



12.4858, 13.9853, 14.3727



15.7959, 29.5737, 11.4868



0.9939, 1.8002, 0.9096

Inverse Universe

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



40.6542, 29.3913, 41.5625



57.4592, 37.9818, 55.7889



36.9360, 27.9040, 21.9825



12.7129, 12.5366, 14.4282



18.8781, 9.4875, 11.9279



1.1799, 0.5887, 0.9367

Previews

White Background



This preview shows how the XYZ color 36.9175, 53.2686, 40.6839 looks on a white background.

Color Contrast Check

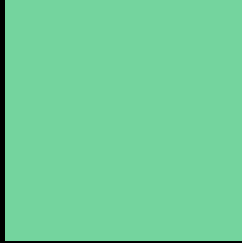
Large Text (above 18pt) WCAG AA × Fail

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 36.9175, 53.2686, 40.6839 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 36.9175, 53.2686, 40.6839

Background



This preview shows how black text looks on a background with the XYZ color 36.9175, 53.2686, 40.6839.

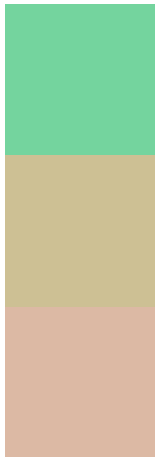


This preview shows how white text looks on a background with the XYZ color 36.9175, 53.2686,

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

36.9175, 53.2686, 40.6839

Protanopia

49.3718, 52.8165, 35.6094

Deuteranopia

53.5650, 52.5939, 42.4504



Tritanopia

43.8712, 53.1783, 75.6623

Trichromacy



Original Color

36.9175, 53.2686, 40.6839



Protanomaly

43.3245, 51.9981, 37.4590



Deuteranomaly

45.3281, 51.5839, 41.7501



Tritanomaly

40.9951, 53.0925, 60.9105

Monochromacy



Original Color

36.9175, 53.2686, 40.6839



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.1867, 46.6978, 44.9784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9175, 53.2686, 40.6839 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(116, 212, 158)` looks like.

```
.text, #text, p{  
    color:rgb(116, 212, 158)  
}
```

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(116, 212, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 212, 158) }
```

Border

The CSS property to change the border of an element to XYZ 36.9175, 53.2686, 40.6839 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(116, 212, 158) }
```


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

```
.border{ border-color:rgb(116, 212, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 212, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 212, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 212, 158);  
box-shadow:4px 4px 4px 4px rgb(116, 212,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9175, 53.2686, 40.6839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 212, 158) }
```

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

```
.background{ background-color: rgb(116,  
212, 158) }
```

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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