

Converting Colors

XYZ(40.1873, 56.1476, 50.5174)

Have a look what the booklet for
XYZ(40.1873, 56.1476, 50.5174)
contains.

XYZ(40.2374, 56.2791, 50.3372)	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(40.2374, 56.2791,
50.3372)**

Conversions

Conversions Part 1

Format	Color
Hex	78D8B1
RGB	120, 216, 177
RGB Percent	47%, 85%, 69%
CMY	0.5294, 0.1529, 0.3059
CMYK	0.44, 0.00, 0.18, 0.15
HSL	156°, 55%, 66%
HSV	156°, 44%, 85%
XYZ	40.2374, 56.2791, 50.3372
YIQ	182.8500, -44.6970, -32.4810

Conversions

Conversions Part 2

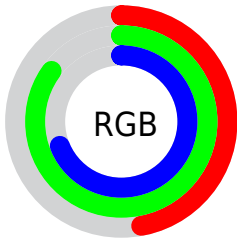
Format	Color
RYB	120, 180, 216
Decimal	7919793
CIELab	79.77, -37.38, 10.48
CIELCh	80, 38.819, 164.340
Yxy	56.2791, 0.2740, 0.3832
Android (android.graphics.Color)	4286109873 (0xFF78D8B1)
YUV	182.8500, -2.8840, -55.1194
Hunter-Lab	75.0194, -35.5437, 12.7306

Details

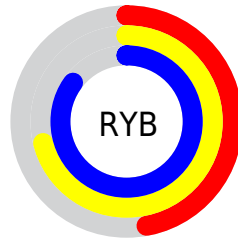
The XYZ color **40.2374, 56.2791, 50.3372** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.2953, 30.5365, 36.5207**, and the grayscale version is **44.9616, 47.3031, 51.5131**.

A 20% lighter version of the original color is **68.5994, 86.7503, 90.2197**, and **18.4329, 28.0017, 23.5021** is the 20% darker color. If you saturate the color by 10%, you get **36.7264, 54.5684, 45.7535**, and if you desaturate by 10%, it is **44.4835, 58.3652, 55.2514**.

Distribution



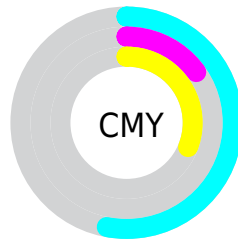
- Red (47%)
- Green (85%)
- Blue (69%)



- Red (47%)
- Yellow (71%)
- Blue (85%)



- Cyan (44%)
- Magenta (0%)
- Yellow (18%)
- Black (15%)



- Cyan (53%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2374, 56.2791, 50.3372 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 40.2374, 56.2791, 50.3372 by changing the saturation by 10% instead.

■ 40.2374, 56.2791,
50.3372

■ 40.2374, 56.2791,
50.3372

338.2404,
410.7425, 404.7559

■ 27.9087, 40.4267,
35.3083

■ 74.8069, 99.4125,
92.0757

■ 18.3970, 27.8714,
23.6150

■ 97.7785, 127.4624,
119.6225

■ 11.3368, 18.2288,
14.8388

■ 125.0284,
160.3469, 152.1790

■ 6.3628, 11.1143,
8.5609

156.9220,
198.4504, 190.1637

■ 3.1097, 6.1438,
4.3630

193.8246,
242.1573, 233.9952

■ 1.2120, 2.9327,
1.8265

236.1017,

■ 0.1158, 1.0967,

291.8520, 284.0920

0.4454

284.1185,
347.9189, 340.8728

■ 0.0000, 0.0000,
0.0000

■ 40.2374, 56.2791,
50.3372

■ 40.2374, 56.2791,
50.3372

■ 36.7264, 54.5684,
45.7535

■ 44.4835, 58.3652,
55.2514

■ 33.8987, 53.2022,
41.4887

■ 49.5026, 60.8417,
60.4996

■ 31.7030, 52.1555,
37.5362


■ 55.3358, 63.7311,
66.0901


■ 30.0784, 51.3970,
33.8871


■ 62.0196, 67.0522,
72.0296


■ 28.9507, 50.8888,
30.5320


■ 69.5883, 70.8225,
78.3248

 28.4695, 50.6788,
28.7895

 78.0743, 75.0586,
84.9818

 81.2928, 76.5721,
91.7161

 82.6172, 77.1018,
98.6901

 83.8469, 77.5937,
105.1656

Harmonies

Analogous

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



43.6228, 56.2791, 35.2747



40.2374, 56.2791, 50.3372



40.1630, 56.2791, 72.6174

Triad

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



40.2374, 56.2791, 50.3372



57.3167, 56.2791, 113.4100



65.0264, 56.2791, 35.7643

Complementary

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



40.2374, 56.2791, 50.3372



41.2953, 30.5365, 36.5207

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.



69.4841, 56.2791, 51.1858



40.2374, 56.2791, 50.3372



64.7467, 56.2791, 97.6761

Square

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



40.2374, 56.2791, 50.3372



49.5208, 56.2791, 113.0219



69.3770, 56.2791, 73.7001



57.6692, 56.2791, 28.3741

Rectangle

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



40.2374, 56.2791, 50.3372



41.9739, 56.2791, 89.0331



69.3770, 56.2791, 73.7001



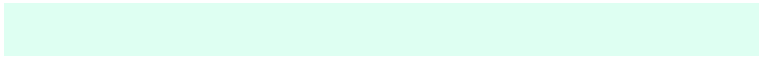
66.9443, 56.2791, 39.9895

Sweetspot

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



40.2389, 56.2814, 50.3385



81.7951, 93.4087, 97.3552



42.4450, 57.9438, 26.7173



17.0721, 19.7772, 20.4372



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.



40.2389, 56.2814, 50.3385



53.9212, 79.6768, 67.2379



42.6981, 54.0649, 73.1535



12.5687, 14.0185, 14.8094



16.9051, 30.0174, 17.3280



1.0602, 1.8267, 1.2587

Inverse Universe

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



41.2953, 30.5365, 36.5207



55.6524, 37.7425, 44.7842



39.4299, 31.3947, 21.7517



12.6303, 12.5036, 13.9933



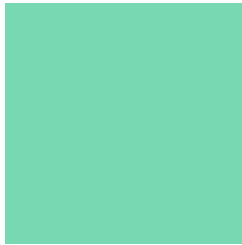
17.8489, 9.0759, 6.5084



1.1170, 0.5636, 0.6057

Previews

White Background



This preview shows how the XYZ color 40.2374, 56.2791, 50.3372 looks on a white background.

Color Contrast Check

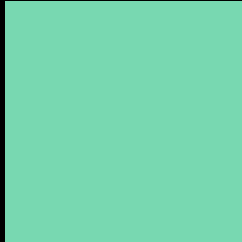
Large Text (above 18pt) WCAG AA × Fail

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 40.2374, 56.2791, 50.3372 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

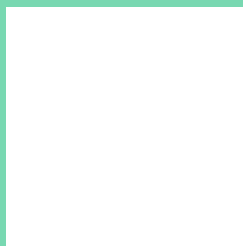
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2374, 56.2791, 50.3372

Background



This preview shows how black text looks on a background with the XYZ color 40.2374, 56.2791, 50.3372.



This preview shows how white text looks on a background with the XYZ color 40.2374, 56.2791,

50.3372.

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

40.2374, 56.2791, 50.3372

Protanopia

52.4471, 55.5353, 44.5143

Deuteranopia

56.7795, 55.6180, 52.5425



Tritanopia

46.2008, 56.0785, 80.3407

Trichromacy



Original Color

40.2374, 56.2791, 50.3372



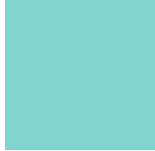
Protanomaly

46.3858, 54.7661, 46.6542



Deuteranomaly

48.5311, 54.3734, 51.6533



Tritanomaly

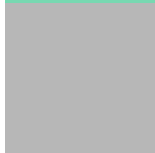
43.8307, 56.2302, 68.2179

Monochromacy



Original Color

40.2374, 56.2791, 50.3372



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.3528, 49.8400, 51.1039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2374, 56.2791, 50.3372 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(120, 216, 177)` looks like.

```
.text, #text, p{  
    color:rgb(120, 216, 177)  
}
```

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(120, 216, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 216, 177) }
```

Border

The CSS property to change the border of an element to XYZ 40.2374, 56.2791, 50.3372 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(120, 216, 177) }
```


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

```
.border{ border-color:rgb(120, 216, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 216, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 216, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 216, 177);  
box-shadow:4px 4px 4px 4px rgb(120, 216,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2374, 56.2791, 50.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 216, 177) }
```

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

```
.background{ background-color: rgb(120,  
216, 177) }
```

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