

Converting Colors

XYZ(40.2985, 59.8627, 52.5288)

Have a look what the booklet for
XYZ(40.2985, 59.8627, 52.5288)
contains.

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Color

**XYZ(40.3090, 59.7984,
52.5977)**

Conversions

Conversions Part 1

Format	Color
Hex	63E1B4
RGB	99, 225, 180
RGB Percent	39%, 88%, 71%
CMY	0.6118, 0.1176, 0.2941
CMYK	0.56, 0.00, 0.20, 0.12
HSL	159°, 68%, 64%
HSV	159°, 56%, 88%
XYZ	40.3090, 59.7984, 52.5977
YIQ	182.1960, -60.6510, -40.7070

Conversions

Conversions Part 2

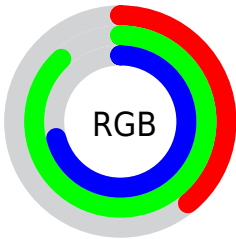
Format	Color
RYB	99, 176, 225
Decimal	6545844
CIELab	81.73, -45.59, 11.57
CIELCh	82, 47.032, 165.759
Yxy	59.7984, 0.2640, 0.3916
Android (android.graphics.Color)	4284735924 (0xFF63E1B4)
YUV	182.1960, -1.0826, -72.9629
Hunter-Lab	77.3294, -42.2810, 13.8029

Details

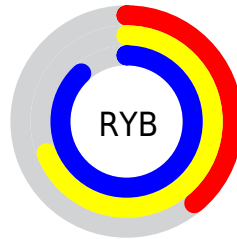
The XYZ color **40.3090, 59.7984, 52.5977** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.5492, 26.9463, 29.4517**, and the grayscale version is **44.6010, 46.9237, 51.0999**.

A 20% lighter version of the original color is **65.1984, 84.9471, 92.3170**, and **18.4447, 30.1279, 24.9218** is the 20% darker color. If you saturate the color by 10%, you get **37.3900, 58.3870, 48.3116**, and if you desaturate by 10%, it is **43.9634, 61.5865, 57.1687**.

Distribution



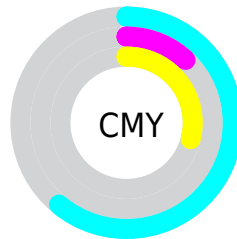
- Red (39%)
- Green (88%)
- Blue (71%)



- Red (39%)
- Yellow (69%)
- Blue (88%)



- Cyan (56%)
- Magenta (0%)
- Yellow (20%)
- Black (12%)





- Cyan (61%)
- Magenta (12%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3090, 59.7984, 52.5977 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 40.3090, 59.7984, 52.5977 by changing the saturation by 10% instead.


 40.3090, 59.7984,
52.5977


 40.3090, 59.7984,
52.5977


338.5364,
423.8543, 413.7622


 27.9648, 43.2562,
37.0962


 74.9152, 104.5372,
95.4477


 18.4395, 30.0862,
24.9856


 97.9079, 133.5025,
123.6332

 11.3676, 19.9040,
15.8474


 125.1808,
167.3776, 156.8838

 6.3837, 12.3253,
9.2631

 157.0993,
206.5469, 195.6181

 3.1227, 6.9656,
4.8140

194.0288,
251.3949, 240.2545

 1.2190, 3.4406,
2.0817

236.3346,

 0.1213, 1.3659,

302.3058, 291.2116

0.6049

284.3820,
359.6642, 348.9080

■ 0.0000, 0.1914,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.3090, 59.7984,
52.5977

■ 40.3090, 59.7984,
52.5977

■ 37.3900, 58.3870,
48.3116

■ 43.9634, 61.5865,
57.1687

■ 35.1422, 57.3147,
44.2992


■ 48.4009, 63.7712,
62.0269

■ 33.4983, 56.5484,
40.5545


■ 53.6705, 66.3791,
67.1799


■ 32.3730, 56.0443,
37.0690


■ 59.8159, 69.4329,
72.6336


 32.0096, 55.8859,
35.7435

 66.8777, 72.9532,
78.3937

 74.8938, 76.9596,
84.4656

 83.3437, 81.1836,
90.8287

 84.5397, 81.6620,
97.1267

 85.7890, 82.1617,
103.7051

Harmonies

Analogous

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



44.2597, 59.7984, 33.9983



40.3090, 59.7984, 52.5977



40.4129, 59.7984, 81.0689

Triad

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



40.3090, 59.7984, 52.5977



62.1654, 59.7984, 132.9411



71.1801, 59.7984, 33.3403

Complementary

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



40.3090, 59.7984, 52.5977



40.5492, 26.9463, 29.4517

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.



77.1978, 59.7984, 51.3968



40.3090, 59.7984, 52.5977



71.5953, 59.7984, 111.0376

Square

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



40.3090, 59.7984, 52.5977



52.2808, 59.7984, 133.5437



77.3580, 59.7984, 79.4648



61.6496, 59.7984, 25.2720

Rectangle

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



40.3090, 59.7984, 52.5977



42.7454, 59.7984, 102.4513



77.3580, 59.7984, 79.4648



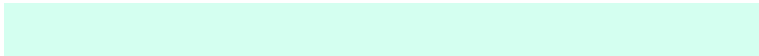
73.7271, 59.7984, 38.1634

Sweetspot

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



40.3106, 59.8008, 52.5991



78.4671, 91.7277, 95.6321



40.8915, 60.7918, 21.3840



16.4270, 19.4504, 20.1506



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.



40.3106, 59.8008, 52.5991



49.1649, 77.3059, 63.3571



41.3427, 53.3005, 79.3461



13.8979, 15.4849, 16.4976



18.5023, 32.2258, 20.8997



1.3247, 2.2506, 1.6710

Inverse Universe

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



40.5492, 26.9463, 29.4517



49.5460, 29.6736, 29.9732



39.5276, 29.3546, 15.3879



13.9085, 13.7810, 15.2881



18.7860, 9.5814, 5.5388



1.3438, 0.6808, 0.6035

Previews

White Background



This preview shows how the XYZ color 40.3090, 59.7984, 52.5977 looks on a white background.

Color Contrast Check

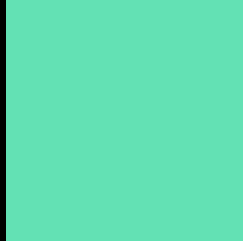
Large Text (above 18pt) WCAG AA × Fail

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 40.3090, 59.7984, 52.5977 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

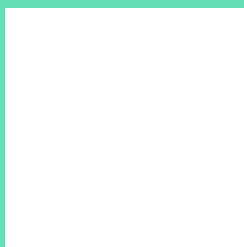
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.3090, 59.7984, 52.5977

Background



This preview shows how black text looks on a background with the XYZ color 40.3090, 59.7984, 52.5977.



This preview shows how white text looks on a background with the XYZ color 40.3090, 59.7984,

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

40.3090, 59.7984, 52.5977

Protanopia

55.3951, 58.7466, 45.4654

Deuteranopia

60.1633, 58.9490, 55.2210



Tritanopia

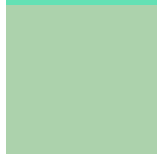
47.1444, 59.4058, 87.5790

Trichromacy



Original Color

40.3090, 59.7984, 52.5977



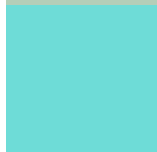
Protanomaly

47.5062, 57.8424, 47.6906



Deuteranomaly

49.5454, 57.3066, 53.7974



Tritanomaly

44.2893, 59.4077, 73.4225

Monochromacy



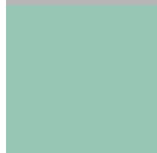
Original Color

40.3090, 59.7984, 52.5977



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

41.4835, 50.3998, 51.2578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3090, 59.7984, 52.5977 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(99, 225, 180)` looks like.

```
.text, #text, p{  
    color:rgb(99, 225, 180)  
}
```

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(99, 225, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 225, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.3090, 59.7984, 52.5977 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(99, 225, 180) }
```


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

```
.border{ border-color:rgb(99, 225, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 225, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 225, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 225, 180);  
box-shadow:4px 4px 4px 4px rgb(99, 225,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3090, 59.7984, 52.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 225, 180) }
```

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

```
.background{ background-color: rgb(99, 225,  
180) }
```

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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