

Converting Colors

XYZ(39.7201, 53.2248, 72.3100)

Have a look what the booklet for
XYZ(39.7201, 53.2248, 72.3100)
contains.

XYZ(39.8265, 53.3266, 72.4840)	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(39.8265, 53.3266,
72.4840)**

Conversions

Conversions Part 1

Format	Color
Hex	5DD2D7
RGB	93, 210, 215
RGB Percent	36%, 82%, 84%
CMY	0.6353, 0.1765, 0.1569
CMYK	0.57, 0.02, 0.00, 0.16
HSL	182°, 60%, 60%
HSV	182°, 57%, 84%
XYZ	39.8265, 53.3266, 72.4840
YIQ	175.5870, -71.3370, -23.2490

Conversions

Conversions Part 2

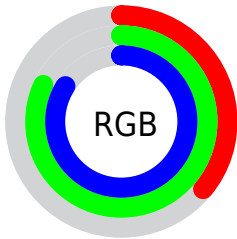
Format	Color
RYB	93, 153, 215
Decimal	6148823
CIELab	78.07, -31.31, -12.45
CIELCh	78, 33.694, 201.679
Yxy	53.3266, 0.2404, 0.3219
Android (android.graphics.Color)	4284338903 (0xFF5DD2D7)
YUV	175.5870, 19.4306, -72.4288
Hunter-Lab	73.0251, -30.4433, -7.7332

Details

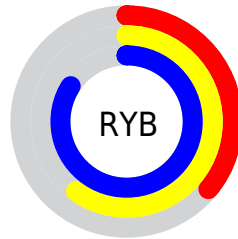
The XYZ color **39.8265, 53.3266, 72.4840** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.3689, 23.9738, 13.1732**, and the grayscale version is **40.9822, 43.1165, 46.9538**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **18.1166, 26.0066, 37.3226** is the 20% darker color. If you saturate the color by 10%, you get **37.7322, 51.9262, 72.3250**, and if you desaturate by 10%, it is **42.5368, 55.0488, 72.6745**.

Distribution



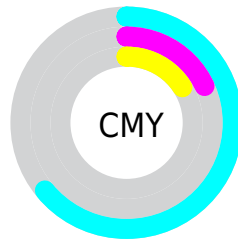
- Red (36%)
- Green (82%)
- Blue (84%)



- Red (36%)
- Yellow (60%)
- Blue (84%)



- Cyan (57%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)





- Cyan (64%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8265, 53.3266, 72.4840 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 39.8265, 53.3266, 72.4840 by changing the saturation by 10% instead.


 39.8265, 53.3266,
72.4840


 39.8265, 53.3266,
72.4840


336.5387,
399.5369, 488.2472


 27.5869, 38.0636,
53.0649


 74.1853, 95.0848,
124.4585

 18.1534, 26.0320,
37.4665


 97.0351, 122.3487,
157.8510

 11.1605, 16.8476,
25.2703


 124.1525,
154.3817, 196.7384

 6.2430, 10.1259,
16.0577

 155.9027,
191.5682, 241.5392

 3.0354, 5.4825,
9.4102

192.6510,
234.2926, 292.6719

 1.1725, 2.5331,
4.9092

234.7629,

 0.0845, 0.8931,

282.9392, 350.5551

2.1363

282.6037,
337.8925, 415.6074

■ 0.0000, 0.0000,
0.6372

■ 0.0000, 0.0000,
0.0000

■ 39.8265, 53.3266,
72.4840

■ 39.8265, 53.3266,
72.4840

■ 37.7322, 51.9262,
72.3250

■ 42.5368, 55.0488,
72.6745

■ 36.1964, 50.8142,
72.1914


■ 45.9050, 57.1107,
72.8950


■ 35.1591, 49.9610,
72.0813


■ 49.9748, 59.5360,
73.1486


■ 34.5406, 49.3256,
71.9913


■ 54.7848, 62.3448,
73.4372


 34.3837, 49.1419,
71.9641

 60.3707, 65.5553,
73.7625

 66.7661, 69.1849,
74.1260

 74.0025, 73.2499,
74.5293

 78.3317, 75.8180,
74.7968

 78.5595, 76.2734,
74.8727

Harmonies

Analogous

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



39.1822, 53.3266, 52.9822



39.8265, 53.3266, 72.4840



43.2469, 53.3266, 91.3343

Triad

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



39.8265, 53.3266, 72.4840



61.2593, 53.3266, 83.5178



52.5361, 53.3266, 29.1124

Complementary

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



39.8265, 53.3266, 72.4840



34.3689, 23.9738, 13.1732

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.



58.9312, 53.3266, 34.0481



39.8265, 53.3266, 72.4840



64.2446, 53.3266, 63.4599

Square

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



39.8265, 53.3266, 72.4840



55.4979, 53.3266, 98.6027



63.3577, 53.3266, 45.6951



46.1594, 53.3266, 30.5092

Rectangle

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



39.8265, 53.3266, 72.4840



46.8161, 53.3266, 99.6386



63.3577, 53.3266, 45.6951



54.7620, 53.3266, 30.0394

Sweetspot

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



39.8281, 53.3286, 72.4853



80.2966, 91.5571, 108.0480



30.9766, 51.7935, 19.6914



16.8621, 19.4086, 23.1074



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.



39.8281, 53.3286, 72.4853



55.0303, 76.0667, 106.3897



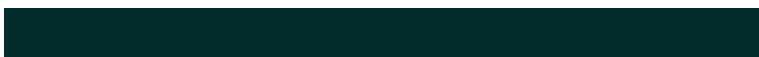
27.6770, 29.0264, 68.4349



12.7466, 14.0165, 15.9712



20.5851, 29.4319, 43.0491



1.2554, 1.8029, 2.6011

Inverse Universe

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



43.5729, 26.9303, 63.8764



61.1543, 34.0053, 92.0626



42.2396, 39.7154, 15.7968



12.9300, 12.6235, 15.5717



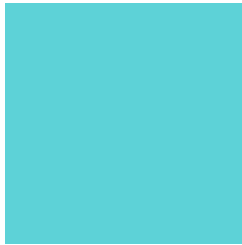
23.4492, 11.3160, 35.9994



1.4213, 0.6853, 2.2081

Previews

White Background



This preview shows how the XYZ color 39.8265, 53.3266, 72.4840 looks on a white background.

Color Contrast Check

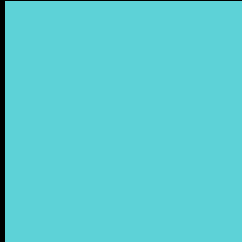
Large Text (above 18pt) WCAG AA × Fail

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 39.8265, 53.3266, 72.4840 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 39.8265, 53.3266, 72.4840

Background



This preview shows how black text looks on a background with the XYZ color 39.8265, 53.3266, 72.4840.

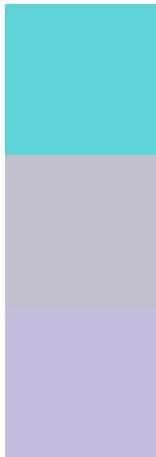


This preview shows how white text looks on a background with the XYZ color 39.8265, 53.3266,

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

39.8265, 53.3266, 72.4840

Protanopia

51.1485, 52.7799, 63.9916

Deuteranopia

53.7145, 52.5783, 75.0277



Tritanopia

41.0762, 53.0894, 79.3165

Trichromacy



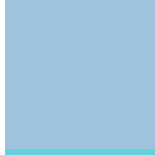
Original Color

39.8265, 53.3266, 72.4840



Protanomaly

45.1669, 51.9611, 66.6804



Deuteranomaly

46.4681, 51.4631, 73.8139



Tritanomaly

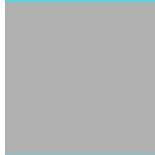
40.6755, 53.3082, 76.5523

Monochromacy



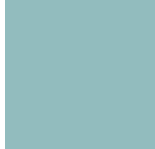
Original Color

39.8265, 53.3266, 72.4840



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.1315, 45.7951, 55.4921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8265, 53.3266, 72.4840 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(93, 210, 215)` looks like.

```
.text, #text, p{  
    color:rgb(93, 210, 215)  
}
```

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(93, 210, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 210, 215) }
```

Border

The CSS property to change the border of an element to XYZ 39.8265, 53.3266, 72.4840 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(93, 210, 215) }
```


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

```
.border{ border-color:rgb(93, 210, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 210, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 210, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 210, 215);  
box-shadow:4px 4px 4px 4px rgb(93, 210,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8265, 53.3266, 72.4840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 210, 215) }
```

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

```
.background{ background-color: rgb(93, 210,  
215) }
```

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