

Converting Colors

XYZ(40.1179, 53.2226, 68.5460)

Have a look what the booklet for
XYZ(40.1179, 53.2226, 68.5460)
contains.

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Color

**XYZ(40.1348, 53.2076,
68.4764)**

Conversions

Conversions Part 1

Format	Color
Hex	69D1D1
RGB	105, 209, 209
RGB Percent	41%, 82%, 82%
CMY	0.5882, 0.1804, 0.1804
CMYK	0.50, 0.00, 0.00, 0.18
HSL	180°, 53%, 62%
HSV	180°, 50%, 82%
XYZ	40.1348, 53.2076, 68.4764
YIQ	177.9040, -61.9840, -22.0480

Conversions

Conversions Part 2

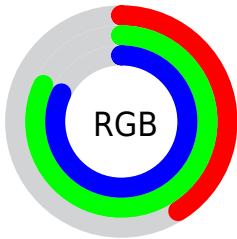
Format	Color
RYB	105, 157, 209
Decimal	6934993
CIELab	78.00, -30.05, -9.29
CIELCh	78, 31.449, 197.177
Yxy	53.2076, 0.2480, 0.3288
Android (android.graphics.Color)	4285125073 (0xFF69D1D1)
YUV	177.9040, 15.3303, -63.9368
Hunter-Lab	72.9435, -29.4374, -4.5985

Details

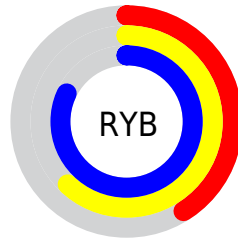
The XYZ color **40.1348, 53.2076, 68.4764** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.8977, 24.6800, 16.3436**, and the grayscale version is **42.2126, 44.4109, 48.3635**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **18.3471, 25.9289, 35.0481** is the 20% darker color. If you saturate the color by 10%, you get **37.9756, 52.0957, 68.3763**, and if you desaturate by 10%, it is **42.9004, 54.6345, 68.6072**.

Distribution



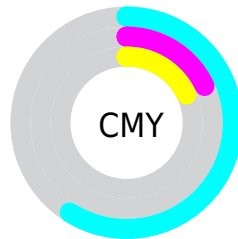
- Red (41%)
- Green (82%)
- Blue (82%)



- Red (41%)
- Yellow (62%)
- Blue (82%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1348, 53.2076, 68.4764 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 40.1348, 53.2076, 68.4764 by changing the saturation by 10% instead.

40.1348, 53.2076,
68.4764

40.1348, 53.2076,
68.4764

337.8161,
399.0811, 473.8259

27.8283, 37.9685,
49.8163

74.6518, 94.9098,
118.6941

18.3361, 25.9583,
34.8973

97.5930, 122.1417,
151.0887

11.2927, 16.7924,
23.3009

124.8099,
154.1400, 188.8986

6.3328, 10.0866,
14.6084

156.6677,
191.2890, 232.5423

3.0911, 5.4564,
8.4015

193.5319,
233.9733, 282.4383

1.2021, 2.5175,
4.2615

235.7678,

0.1080, 0.8854,

282.5771, 339.0053

1.7699

283.7407,
337.4849, 402.6616

■ 0.0000, 0.0000,
0.4080

■ 0.0000, 0.0000,
0.0000

■ 40.1348, 53.2076,
68.4764

■ 40.1348, 53.2076,
68.4764

■ 37.9756, 52.0957,
68.3763

■ 42.9004, 54.6345,
68.6072

■ 36.3730, 51.2696,
68.3010


■ 46.3080, 56.3912,
68.7670


■ 35.2773, 50.7047,
68.2495


■ 50.3962, 58.4988,
68.9585


■ 34.6278, 50.3699,
68.2189


■ 55.1990, 60.9747,
69.1835

 34.3162, 50.2092,
68.2041


 60.7484, 63.8355,
69.4435

 34.3099, 50.2060,
68.2038

 67.0743, 67.0966,
69.7398

 74.2049, 70.7726,
70.0737

 75.5505, 71.4662,
70.1369

 75.5505, 71.4663,
70.1372

Harmonies

Analogous

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



39.9366, 53.2076, 50.7666



40.1348, 53.2076, 68.4764



42.9823, 53.2076, 86.3594

Triad

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



40.1348, 53.2076, 68.4764



59.7109, 53.2076, 84.0161



53.2311, 53.2076, 30.8782

Complementary

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



40.1348, 53.2076, 68.4764



33.8977, 24.6800, 16.3436

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.



59.0068, 53.2076, 36.5505



40.1348, 53.2076, 68.4764



62.9460, 53.2076, 65.7461

Square

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



40.1348, 53.2076, 68.4764



54.1305, 53.2076, 96.4997



62.6784, 53.2076, 48.5334



47.1734, 53.2076, 31.3163

Rectangle

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



40.1348, 53.2076, 68.4764



46.1405, 53.2076, 94.9122



62.6784, 53.2076, 48.5334



55.2790, 53.2076, 32.0762

Sweetspot

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



40.1364, 53.2097, 68.4777



82.3509, 93.4534, 108.3051



31.3833, 49.7322, 21.3112



17.2905, 19.8297, 23.1660



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.



40.1364, 53.2097, 68.4777



59.2891, 81.5646, 107.2241



29.6884, 32.3133, 64.9961



12.1584, 13.4071, 15.1906



21.1537, 30.9544, 42.0509



1.1828, 1.7308, 2.3512

Inverse Universe

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



33.8977, 24.6800, 16.3436



48.3898, 31.7221, 16.1436



40.6120, 38.1088, 18.5812



11.8088, 11.8083, 12.2689



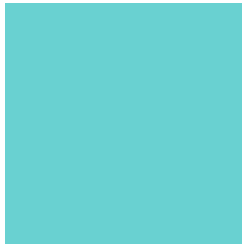
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 40.1348, 53.2076, 68.4764 looks on a white background.

Color Contrast Check

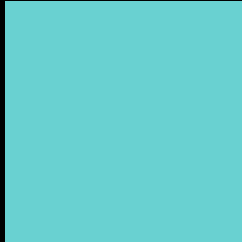
Large Text (above 18pt) WCAG AA × Fail

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 40.1348, 53.2076, 68.4764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

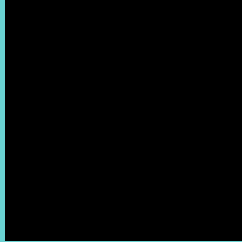
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1348, 53.2076, 68.4764

Background



This preview shows how black text looks on a background with the XYZ color 40.1348, 53.2076, 68.4764.

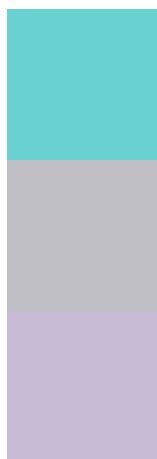


This preview shows how white text looks on a background with the XYZ color 40.1348, 53.2076,

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

40.1348, 53.2076, 68.4764

Protanopia

50.8162, 52.6763, 60.9153

Deuteranopia

53.7273, 52.6750, 70.9539



Tritanopia

42.0625, 53.2684, 77.8769

Trichromacy



Original Color

40.1348, 53.2076, 68.4764

Protanomaly

45.5527, 52.2295, 63.5575

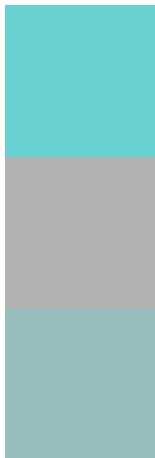
Deuteranomaly

46.9158, 51.7830, 69.8097

Tritanomaly

41.3951, 53.3619, 74.4478

Monochromacy



Original Color

40.1348, 53.2076, 68.4764

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.1454, 46.6486, 55.0323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1348, 53.2076, 68.4764 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(105, 209, 209)` looks like.

```
.text, #text, p{  
    color:rgb(105, 209, 209)  
}
```

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(105, 209, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 209, 209) }
```

Border

The CSS property to change the border of an element to XYZ 40.1348, 53.2076, 68.4764 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(105, 209, 209) }
```


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

```
.border{ border-color:rgb(105, 209, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 209, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 209, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 209, 209);  
box-shadow:4px 4px 4px 4px rgb(105, 209,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1348, 53.2076, 68.4764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 209, 209) }
```

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

```
.background{ background-color: rgb(105,  
209, 209) }
```

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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