

Converting Colors

XYZ(40.1553, 53.9644, 68.6359)

Have a look what the booklet for
XYZ(40.1553, 53.9644, 68.6359)
contains.

XYZ(40.1697, 53.9587, 68.6195)	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(40.1697, 53.9587,
68.6195)**

Conversions

Conversions Part 1

Format	Color
Hex	65D3D1
RGB	101, 211, 209
RGB Percent	40%, 83%, 82%
CMY	0.6039, 0.1725, 0.1804
CMYK	0.52, 0.00, 0.01, 0.17
HSL	179°, 56%, 61%
HSV	179°, 52%, 83%
XYZ	40.1697, 53.9587, 68.6195
YIQ	177.8820, -64.9180, -23.9420

Conversions

Conversions Part 2

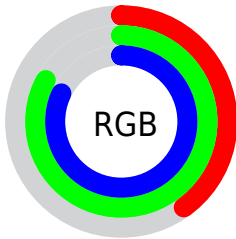
Format	Color
RYB	101, 157, 211
Decimal	6673361
CIELab	78.44, -31.84, -8.65
CIELCh	78, 32.989, 195.198
Yxy	53.9587, 0.2468, 0.3315
Android (android.graphics.Color)	4284863441 (0xFF65D3D1)
YUV	177.8820, 15.3412, -67.4255
Hunter-Lab	73.4566, -30.9364, -3.9662

Details

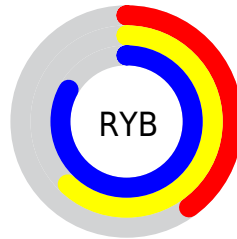
The XYZ color **40.1697, 53.9587, 68.6195** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.9676, 24.1371, 15.7024**, and the grayscale version is **42.2020, 44.3998, 48.3514**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **18.4005, 26.4506, 35.1460** is the 20% darker color. If you saturate the color by 10%, you get **38.0566, 52.8761, 68.2739**, and if you desaturate by 10%, it is **42.8925, 55.3581, 68.9967**.

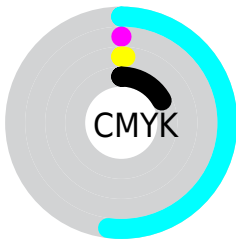
Distribution



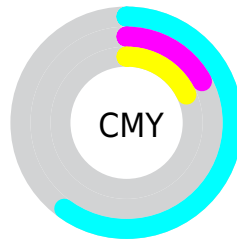
- Red (40%)
- Green (83%)
- Blue (82%)



- Red (40%)
- Yellow (62%)
- Blue (83%)



- Cyan (52%)
- Magenta (0%)
- Yellow (1%)
- Black (17%)



- Cyan (60%)
- Magenta (17%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1697, 53.9587, 68.6195 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 40.1697, 53.9587, 68.6195 by changing the saturation by 10% instead.

40.1697, 53.9587,
68.6195

40.1697, 53.9587,
68.6195

337.9605,
401.9525, 474.3454

27.8557, 38.5686,
49.9321

74.7046, 96.0136,
118.9005

18.3568, 26.4243,
34.9886

97.6561, 123.4472,
151.3312

11.3077, 17.1413,
23.3706

124.8842,
155.6642, 189.1800

6.3430, 10.3353,
14.6595

156.7542,
193.0489, 232.8655

3.0974, 5.6218,
8.4368

193.6315,
235.9856, 282.8063

1.2055, 2.6165,
4.2840

235.8814,

0.1107, 0.9350,

284.8589, 339.4208

1.7824

283.8693,
340.0531, 403.1277

■ 0.0000, 0.0000,
0.4163

■ 0.0000, 0.0000,
0.0000

■ 40.1697, 53.9587,
68.6195

■ 40.1697, 53.9587,
68.6195

■ 38.0566, 52.8761,
68.2739

■ 42.8925, 55.3581,
68.9967

■ 36.5011, 52.0797,
67.9537

■ 46.2626, 57.0899,
69.4035

■ 35.4502, 51.5434,
67.6578

■ 50.3202, 59.1762,
69.8431

■ 34.8387, 51.2336,
67.3831

■ 55.1008, 61.6352,
70.3172

■ 34.5776, 51.1033,
67.1776

■ 60.6376, 64.4839,
70.8272

■ 66.9617, 67.7385,
71.3747

■ 74.1023, 71.4141,
71.9611

■ 76.4281, 72.6075,
72.3226

■ 76.4767, 72.6269,
72.5782

Harmonies

Analogous

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



40.1508, 53.9587, 50.0926



40.1697, 53.9587, 68.6195



42.9919, 53.9587, 87.9071

Triad

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



40.1697, 53.9587, 68.6195



60.6520, 53.9587, 87.6792



54.5382, 53.9587, 30.5478

Complementary

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



40.1697, 53.9587, 68.6195



33.9676, 24.1371, 15.7024

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.



60.5839, 53.9587, 36.8817



40.1697, 53.9587, 68.6195



64.3106, 53.9587, 68.3556

Square

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



40.1697, 53.9587, 68.6195



54.6249, 53.9587, 100.3904



64.2847, 53.9587, 49.8787



48.0863, 53.9587, 30.5891

Rectangle

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



40.1697, 53.9587, 68.6195



46.2313, 53.9587, 97.4959



64.2847, 53.9587, 49.8787



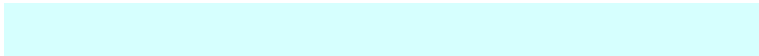
56.6966, 53.9587, 31.9318

Sweetspot

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



40.1713, 53.9608, 68.6208



81.4806, 93.0185, 107.6421



31.4315, 50.5134, 20.4066



17.1138, 19.7419, 23.0074



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.



40.1713, 53.9608, 68.6208



57.9948, 80.9513, 104.7272



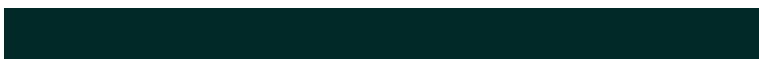
29.6395, 32.4979, 66.3409



12.1487, 13.4032, 15.1395



20.8712, 30.8414, 40.5634



1.1700, 1.7257, 2.2840

Inverse Universe

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



33.9676, 24.1371, 15.7024



47.4444, 30.1960, 14.7042



40.4973, 37.3553, 17.3890



11.8173, 11.8117, 12.3140



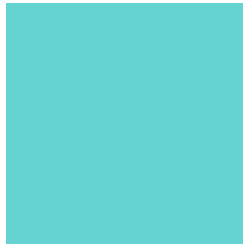
16.2292, 8.3645, 0.8471



0.9106, 0.4689, 0.0638

Previews

White Background



This preview shows how the XYZ color 40.1697, 53.9587, 68.6195 looks on a white background.

Color Contrast Check

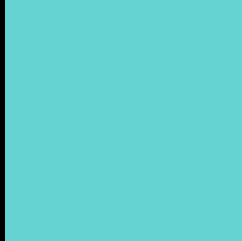
Large Text (above 18pt) WCAG AA × Fail

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 40.1697, 53.9587, 68.6195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

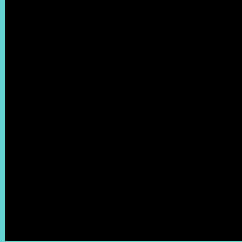
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

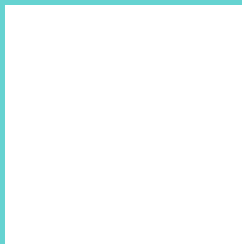
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1697, 53.9587, 68.6195

Background



This preview shows how black text looks on a background with the XYZ color 40.1697, 53.9587, 68.6195.

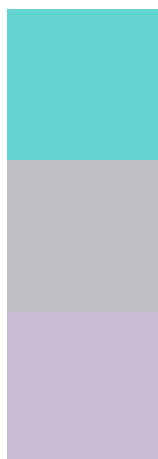


This preview shows how white text looks on a background with the XYZ color 40.1697, 53.9587,

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

40.1697, 53.9587, 68.6195

Protanopia

51.4334, 53.3326, 60.4067

Deuteranopia

54.4779, 53.3780, 71.0500



Tritanopia

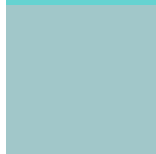
42.2099, 53.6738, 79.3695

Trichromacy



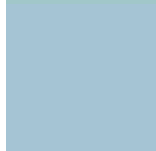
Original Color

40.1697, 53.9587, 68.6195



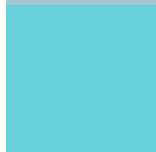
Protanomaly

45.6640, 52.6410, 63.0123



Deuteranomaly

47.1406, 52.2327, 69.8847



Tritanomaly

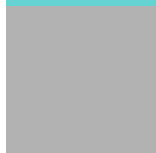
41.4123, 53.7187, 75.2039

Monochromacy



Original Color

40.1697, 53.9587, 68.6195



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.1764, 46.9851, 55.0956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1697, 53.9587, 68.6195 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(101, 211, 209)` looks like.

```
.text, #text, p{  
    color:rgb(101, 211, 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(101, 211, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 211, 209) }
```

Border

The CSS property to change the border of an element to XYZ 40.1697, 53.9587, 68.6195 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(101, 211, 209) }
```


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

```
.border{ border-color:rgb(101, 211, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 211, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 211, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 211, 209); box-shadow:4px 4px 4px 4px rgb(101, 211, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1697, 53.9587, 68.6195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 211, 209) }
```

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

```
.background{ background-color: rgb(101,  
211, 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](#).

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