

Converting Colors

XYZ(38.7149, 49.1658, 59.4256)

Have a look what the booklet for
XYZ(38.7149, 49.1658, 59.4256)
contains.

XYZ(38.6994, 49.1175, 59.6655)	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(38.6994, 49.1175,
59.6655)**

Conversions

Conversions Part 1

Format	Color
Hex	7CC7C4
RGB	124, 199, 196
RGB Percent	49%, 78%, 77%
CMY	0.5137, 0.2196, 0.2314
CMYK	0.38, 0.00, 0.02, 0.22
HSL	178°, 40%, 63%
HSV	178°, 38%, 78%
XYZ	38.6994, 49.1175, 59.6655
YIQ	176.2330, -43.7370, -16.8330

Conversions

Conversions Part 2

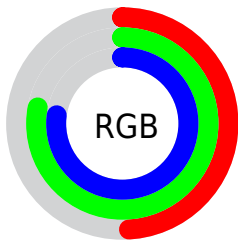
Format	Color
RYB	124, 162, 199
Decimal	8177604
CIELab	75.52, -23.91, -5.86
CIElCh	76, 24.621, 193.775
Yxy	49.1175, 0.2624, 0.3330
Android (android.graphics.Color)	4286367684 (0xFF7CC7C4)
YUV	176.2330, 9.7451, -45.8083
Hunter-Lab	70.0839, -24.0814, -1.4175

Details

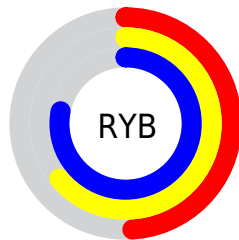
The XYZ color **38.6994, 49.1175, 59.6655** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.5933, 28.0911, 23.6793**, and the grayscale version is **41.3566, 43.5104, 47.3828**.

A 20% lighter version of the original color is **72.3120, 88.3151, 106.1638**, and **17.4621, 23.4690, 29.2008** is the 20% darker color. If you saturate the color by 10%, you get **36.0186, 47.7472, 59.0690**, and if you desaturate by 10%, it is **41.9639, 50.7911, 60.2940**.

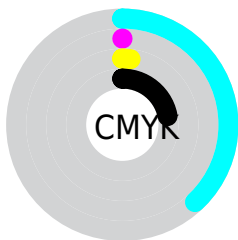
Distribution



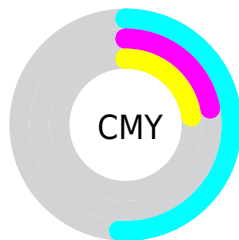
- Red (49%)
- Green (78%)
- Blue (77%)



- Red (49%)
- Yellow (64%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



- Cyan (51%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6994, 49.1175, 59.6655 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 38.6994, 49.1175, 59.6655 by changing the saturation by 10% instead.

■ 38.6994, 49.1175,
59.6655

■ 38.6994, 49.1175,
59.6655

331.8400,
383.2047, 441.1341

■ 26.7056, 34.7127,
42.7255

■ 72.4759, 88.8659,
105.8829

■ 17.4877, 23.4416,
29.3400

■ 94.9893, 114.9784,
135.9974

■ 10.6803, 14.9200,
19.0904

■ 121.7400,
145.7621, 171.3405

■ 5.9180, 8.7632,
11.5581

153.0934,
181.6016, 212.3308

■ 2.8355, 4.5871,
6.3247

189.4147,
222.8812, 259.3867

■ 1.0674, 2.0071,
2.9715

231.0693,

■ 0.0000, 0.6116,

269.9853, 312.9269

1.0801

278.4226,
323.2984, 373.3698

■ 0.0000, 0.0000,
0.0000

■ 38.6994, 49.1175,
59.6655

■ 38.6994, 49.1175,
59.6655

■ 36.0186, 47.7472,
59.0690

■ 41.9639, 50.7911,
60.2940

■ 33.8821, 46.6561,
58.4994

■ 45.8400, 52.7787,
60.9526

■ 32.2523, 45.8263,
57.9560

■ 50.3588, 55.0977,
61.6437

■ 31.0853, 45.2350,
57.4367

■ 55.5484, 57.7623,
62.3688

■ 30.3294, 44.8555,
56.9392

■ 61.4350, 60.7862,
63.1290

■ 29.9103, 44.6496,
56.4600

■ 68.0433, 64.1822,
63.9256

■ 29.8324, 44.6118,
56.3505

■ 72.2750, 66.3529,
64.6134

■ 72.3693, 66.3906,
65.1102

■ 72.4642, 66.4285,
65.6095

Harmonies

Analogous

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



38.7848, 49.1175, 46.7866



38.6994, 49.1175, 59.6655



40.6534, 49.1175, 72.7361

Triad

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



38.6994, 49.1175, 59.6655



52.9968, 49.1175, 73.6691



49.1698, 49.1175, 32.8654

Complementary

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



38.6994, 49.1175, 59.6655



34.5933, 28.0911, 23.6793

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.



53.2849, 49.1175, 37.9640



38.6994, 49.1175, 59.6655



55.5905, 49.1175, 60.7845

Square

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



38.6994, 49.1175, 59.6655



48.7971, 49.1175, 81.6645



55.6992, 49.1175, 47.7386



44.6342, 49.1175, 32.6656

Rectangle

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



38.6994, 49.1175, 59.6655



42.9277, 49.1175, 79.2270



55.6992, 49.1175, 47.7386



50.6548, 49.1175, 34.0206

Sweetspot

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



38.7008, 49.1194, 59.6666



85.2925, 94.9907, 107.5024



32.9275, 46.8739, 26.3818



18.0203, 20.2109, 22.9742



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.



38.7008, 49.1194, 59.6666



63.9365, 84.0449, 103.6295



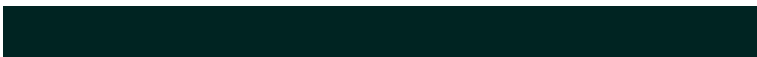
32.1227, 35.4107, 59.1770



10.9277, 12.0600, 13.5692



19.1901, 28.6884, 36.2754



0.9145, 1.3607, 1.7484

Inverse Universe

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



34.5933, 28.0911, 23.6793



55.7534, 42.1288, 31.9180



39.3773, 37.9676, 24.3228



10.6508, 10.6437, 11.1443



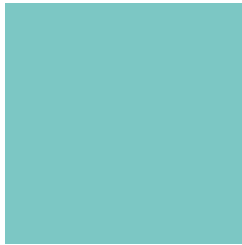
15.1810, 7.8220, 0.8973



0.7250, 0.3728, 0.0748

Previews

White Background



This preview shows how the XYZ color 38.6994, 49.1175, 59.6655 looks on a white background.

Color Contrast Check

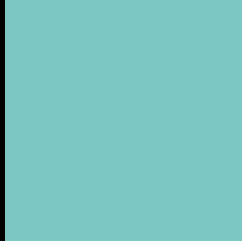
Large Text (above 18pt) WCAG AA × Fail

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 38.6994, 49.1175, 59.6655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

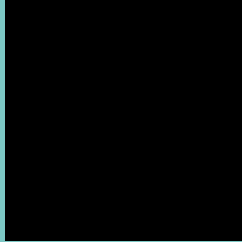
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6994, 49.1175, 59.6655

Background



This preview shows how black text looks on a background with the XYZ color 38.6994, 49.1175, 59.6655.

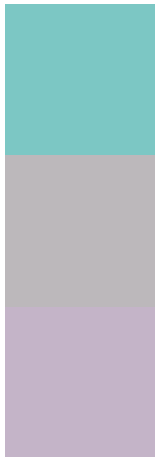


This preview shows how white text looks on a background with the XYZ color 38.6994, 49.1175,

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

38.6994, 49.1175, 59.6655

Protanopia

46.8492, 48.5602, 53.9175

Deuteranopia

49.5115, 48.5484, 61.4048



Tritanopia

40.7520, 49.2752, 69.6506

Trichromacy



Original Color

38.6994, 49.1175, 59.6655

Protanomaly

43.0089, 48.1122, 55.7350

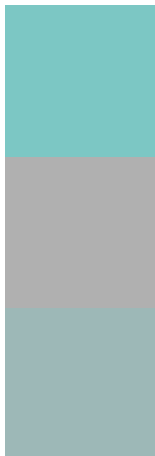
Deuteranomaly

44.6567, 48.2102, 60.9847

Tritanomaly

40.0871, 49.3564, 65.8065

Monochromacy



Original Color

38.6994, 49.1175, 59.6655

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.5924, 44.8680, 51.3734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6994, 49.1175, 59.6655 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(124, 199, 196)` looks like.

```
.text, #text, p{  
    color:rgb(124, 199, 196)  
}
```

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(124, 199, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 199, 196) }
```

Border

The CSS property to change the border of an element to XYZ 38.6994, 49.1175, 59.6655 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(124, 199, 196) }
```


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

```
.border{ border-color:rgb(124, 199, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 199, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 199, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 199, 196);  
box-shadow:4px 4px 4px 4px rgb(124, 199,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6994, 49.1175, 59.6655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 199, 196) }
```

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

```
.background{ background-color: rgb(124,  
199, 196) }
```

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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