

Converting Colors

XYZ(33.3976, 45.4631, 60.9878)

Have a look what the booklet for
XYZ(33.3976, 45.4631, 60.9878)
contains.

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Color

**XYZ(33.3570, 45.3089,
61.0202)**

Conversions

Conversions Part 1

Format	Color
Hex	50C4C7
RGB	80, 196, 199
RGB Percent	31%, 77%, 78%
CMY	0.6863, 0.2314, 0.2196
CMYK	0.60, 0.02, 0.00, 0.22
HSL	182°, 52%, 55%
HSV	182°, 60%, 78%
XYZ	33.3570, 45.3089, 61.0202
YIQ	161.6580, -70.0990, -23.6590

Conversions

Conversions Part 2

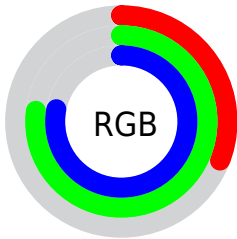
Format	Color
RYB	80, 139, 199
Decimal	5293255
CIELab	73.09, -31.35, -11.28
CIElCh	73, 33.313, 199.793
Yxy	45.3089, 0.2388, 0.3244
Android (android.graphics.Color)	4283483335 (0xFF50C4C7)
YUV	161.6580, 18.4096, -71.6141
Hunter-Lab	67.3119, -29.3385, -6.6298

Details

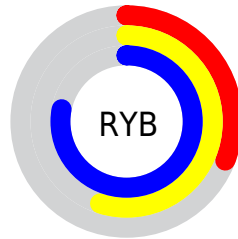
The XYZ color **33.3570, 45.3089, 61.0202** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.0953, 18.9087, 9.7595**, and the grayscale version is **34.1243, 35.9014, 39.0967**.

A 20% lighter version of the original color is **64.1598, 83.1333, 107.2725**, and **14.7838, 21.3903, 30.1376** is the 20% darker color. If you saturate the color by 10%, you get **31.8066, 44.3430, 60.9163**, and if you desaturate by 10%, it is **35.4080, 46.5354, 61.1497**.

Distribution



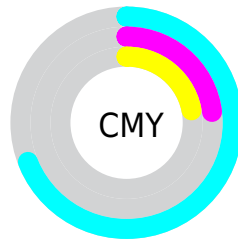
- Red (31%)
- Green (77%)
- Blue (78%)



- Red (31%)
- Yellow (55%)
- Blue (78%)



- Cyan (60%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3570, 45.3089, 61.0202 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 33.3570, 45.3089, 61.0202 by changing the saturation by 10% instead.

■ 33.3570, 45.3089,
61.0202

■ 33.3570, 45.3089,
61.0202

308.8920,
368.0232, 446.2567

■ 22.5606, 31.7008,
43.8108

■ 64.2834, 83.1838,
107.8660

■ 14.3883, 21.1331,
30.1857

■ 85.1442, 108.2193,
138.3395

■ 8.4747, 13.2213,
19.7263

■ 110.0905,
137.8328, 174.0714

■ 4.4545, 7.5811,
12.0142

■ 139.4876,
172.4086, 215.4803

■ 1.9624, 3.8281,
6.6307

173.7010,
212.3312, 262.9848

■ 0.6127, 1.5779,
3.1573

213.0959,

■ 0.0000, 0.3426,

257.9849, 317.0033

1.1755

258.0378,
309.7541, 377.9544

■ 0.0000, 0.0000,
0.0000

■ 33.3570, 45.3089,
61.0202

■ 33.3570, 45.3089,
61.0202

■ 31.8066, 44.3430,
60.9163

■ 35.4080, 46.5354,
61.1497

■ 30.7073, 43.6093,
60.8326

■ 37.9954, 48.0380,
61.3033

■ 30.0068, 43.0816,
60.7677

■ 41.1564, 49.8369,
61.4839

■ 29.6053, 42.7087,
60.7169

■ 44.9237, 51.9488,
61.6930

■ 29.5980, 42.7016,
60.7159

■ 49.3275, 54.3895,
61.9320

■ 54.3963, 57.1735,
62.2022

■ 60.1564, 60.3146,
62.5049

■ 66.6330, 63.8255,
62.8412

■ 72.3229, 66.9314,
63.1408

Harmonies

Analogous

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



32.9498, 45.3089, 43.8620



33.3570, 45.3089, 61.0202



36.2276, 45.3089, 78.1305

Triad

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



33.3570, 45.3089, 61.0202



52.2035, 45.3089, 73.0895



45.0813, 45.3089, 24.0076

Complementary

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



33.3570, 45.3089, 61.0202



28.0953, 18.9087, 9.7595

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.



50.7122, 45.3089, 28.6567



33.3570, 45.3089, 61.0202



55.0630, 45.3089, 55.2425

Square

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



33.3570, 45.3089, 61.0202



46.9724, 45.3089, 86.1155



54.4939, 45.3089, 39.2435



39.3801, 45.3089, 24.8768

Rectangle

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



33.3570, 45.3089, 61.0202



39.3086, 45.3089, 86.0008



54.4939, 45.3089, 39.2435



47.0529, 45.3089, 24.9270

Sweetspot

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



33.3584, 45.3106, 61.0213



79.7650, 91.5743, 108.0793



25.2551, 43.1622, 14.9805



16.6210, 19.3488, 23.1086



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.



33.3584, 45.3106, 61.0213



54.9800, 77.1788, 106.6070



22.6375, 23.8689, 57.4477



10.9229, 12.0199, 13.6619



19.0421, 27.4781, 39.0445



0.9091, 1.3159, 1.8512

Inverse Universe

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



36.3868, 21.8661, 54.5293



60.8328, 32.7432, 93.8643



34.5985, 31.9152, 11.9273



11.0711, 10.8118, 13.3578



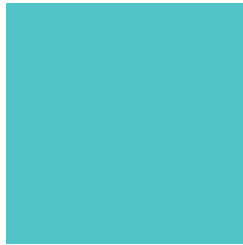
21.4109, 10.3139, 33.7033



1.0175, 0.4899, 1.6155

Previews

White Background



This preview shows how the XYZ color 33.3570, 45.3089, 61.0202 looks on a white background.

Color Contrast Check

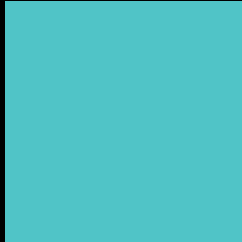
Large Text (above 18pt) WCAG AA × Fail

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 33.3570, 45.3089, 61.0202 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

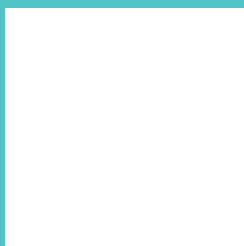
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3570, 45.3089, 61.0202

Background



This preview shows how black text looks on a background with the XYZ color 33.3570, 45.3089, 61.0202.



This preview shows how white text looks on a background with the XYZ color 33.3570, 45.3089,

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

33.3570, 45.3089, 61.0202

Protanopia

43.2822, 44.6158, 53.3442

Deuteranopia

45.5636, 44.6990, 63.3531



Tritanopia

34.6710, 45.1680, 67.8637

Trichromacy



Original Color

33.3570, 45.3089, 61.0202



Protanomaly

37.8722, 43.8822, 55.7643



Deuteranomaly

39.2427, 43.8312, 62.2691



Tritanomaly

34.2230, 45.3254, 65.3375

Monochromacy



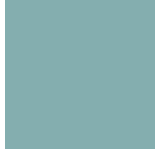
Original Color

33.3570, 45.3089, 61.0202



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.3896, 38.2728, 46.2377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3570, 45.3089, 61.0202 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(80, 196, 199)` looks like.

```
.text, #text, p{  
    color:rgb(80, 196, 199)  
}
```

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(80, 196, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 196, 199) }
```

Border

The CSS property to change the border of an element to XYZ 33.3570, 45.3089, 61.0202 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(80, 196, 199) }
```


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

```
.border{ border-color:rgb(80, 196, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 196, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 196, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 196, 199);  
box-shadow:4px 4px 4px 4px rgb(80, 196,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3570, 45.3089, 61.0202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 196, 199) }
```

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

```
.background{ background-color: rgb(80, 196,  
199) }
```

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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