

Converting Colors

XYZ(33.6174, 45.7666, 61.7064)

Have a look what the booklet for
XYZ(33.6174, 45.7666, 61.7064)
contains.

XYZ(33.6160, 45.7649, 61.7053)	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(33.6160, 45.7649,
61.7053)**

Conversions

Conversions Part 1

Format	Color
Hex	4FC5C8
RGB	79, 197, 200
RGB Percent	31%, 77%, 78%
CMY	0.6902, 0.2274, 0.2157
CMYK	0.60, 0.01, 0.00, 0.22
HSL	181°, 52%, 55%
HSV	181°, 60%, 78%
XYZ	33.6160, 45.7649, 61.7053
YIQ	162.0600, -71.2910, -24.0830

Conversions

Conversions Part 2

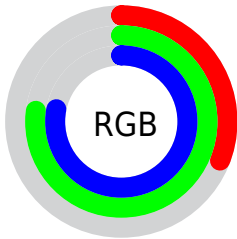
Format	Color
RYB	79, 139, 200
Decimal	5227976
CIELab	73.39, -31.72, -11.38
CIELCh	73, 33.699, 199.740
Yxy	45.7649, 0.2383, 0.3244
Android (android.graphics.Color)	4283418056 (0xFF4FC5C8)
YUV	162.0600, 18.7044, -72.8436
Hunter-Lab	67.6498, -29.6882, -6.7253

Details

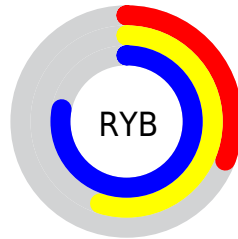
The XYZ color **33.6160, 45.7649, 61.7053** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.2489, 18.8793, 9.5535**, and the grayscale version is **34.3112, 36.0981, 39.3108**.

A 20% lighter version of the original color is **64.3070, 83.6791, 107.3701**, and **15.0108, 21.7202, 30.5954** is the 20% darker color. If you saturate the color by 10%, you get **32.0841, 44.8094, 61.6024**, and if you desaturate by 10%, it is **35.6514, 46.9826, 61.8339**.

Distribution



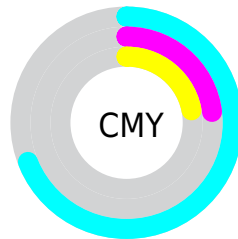
- Red (31%)
- Green (77%)
- Blue (78%)



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



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6160, 45.7649, 61.7053 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 33.6160, 45.7649, 61.7053 by changing the saturation by 10% instead.

■ 33.6160, 45.7649,
61.7053

■ 33.6160, 45.7649,
61.7053

310.0325,
369.8627, 448.8333

■ 22.7602, 32.0603,
44.3604

■ 64.6843, 83.8670,
108.8670

■ 14.5363, 21.4076,
30.6146

■ 85.6276, 109.0334,
139.5208

■ 8.5788, 13.4223,
20.0496

■ 110.6641,
138.7892, 175.4479

■ 4.5224, 7.7200,
12.2467

■ 140.1592,
173.5187, 217.0670

■ 2.0017, 3.9163,
6.7873

174.4783,
213.6064, 264.7965

■ 0.6349, 1.6268,
3.2530

213.9866,

■ 0.0000, 0.3756,

259.4367, 319.0551

1.2252

259.0496,
311.3940, 380.2611

■ 0.0000, 0.0000,
0.0000

■ 33.6160, 45.7649,
61.7053

■ 33.6160, 45.7649,
61.7053

■ 32.0841, 44.8094,
61.6024

■ 35.6514, 46.9826,
61.8339

■ 31.0050, 44.0869,
61.5199

■ 38.2269, 48.4781,
61.9868

■ 30.3252, 43.5707,
61.4561

■ 41.3802, 50.2722,
62.1669

■ 29.9508, 43.2208,
61.4082

■ 45.1449, 52.3819,
62.3757

■ 49.5517, 54.8233,
62.6147

■ 54.6293, 57.6110,
62.8851

■ 60.4048, 60.7590,
63.1883

■ 66.9036, 64.2804,
63.5255

■ 72.6603, 67.4199,
63.8281

Harmonies

Analogous

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



33.2065, 45.7649, 44.2323



33.6160, 45.7649, 61.7053



36.5316, 45.7649, 79.1667

Triad

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



33.6160, 45.7649, 61.7053



52.8018, 45.7649, 74.0788



45.5628, 45.7649, 24.0908

Complementary

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



33.6160, 45.7649, 61.7053



28.2489, 18.8793, 9.5535

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.



51.2985, 45.7649, 28.8175



33.6160, 45.7649, 61.7053



55.7228, 45.7649, 55.8816

Square

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



33.6160, 45.7649, 61.7053



47.4679, 45.7649, 87.3607



55.1489, 45.7649, 39.5856



39.7561, 45.7649, 24.9624

Rectangle

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



33.6160, 45.7649, 61.7053



39.6646, 45.7649, 87.2133



55.1489, 45.7649, 39.5856



47.5711, 45.7649, 25.0264

Sweetspot

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



33.6174, 45.7666, 61.7064



79.7710, 91.5864, 108.0813



25.3656, 43.5661, 14.8612



16.6225, 19.3519, 23.1091



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.



33.6174, 45.7666, 61.7064



54.7997, 77.0919, 106.5997



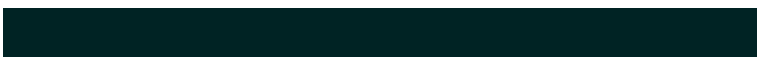
22.6655, 23.8628, 58.0558



10.9233, 12.0207, 13.6620



19.0538, 27.5015, 39.0484



0.9095, 1.3168, 1.8514

Inverse Universe

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



36.6946, 21.9037, 55.1190



60.6750, 32.4243, 93.8219



34.8330, 32.0477, 11.7482



11.0713, 10.8119, 13.3589



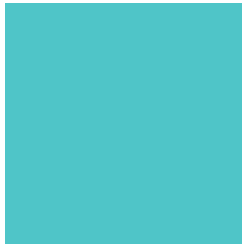
21.4168, 10.3163, 33.7344



1.0178, 0.4899, 1.6167

Previews

White Background



This preview shows how the XYZ color 33.6160, 45.7649, 61.7053 looks on a white background.

Color Contrast Check

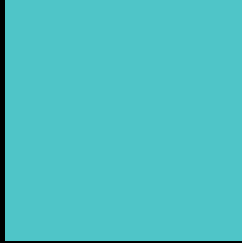
Large Text (above 18pt) WCAG AA × Fail

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 33.6160, 45.7649, 61.7053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

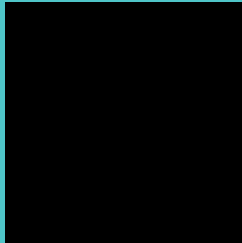
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

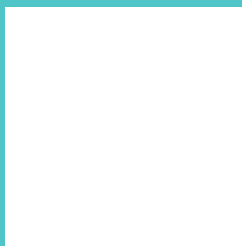
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6160, 45.7649, 61.7053

Background



This preview shows how black text looks on a background with the XYZ color 33.6160, 45.7649, 61.7053.

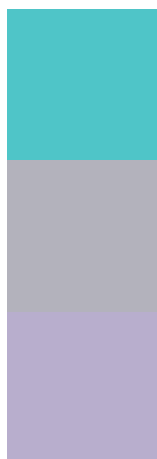


This preview shows how white text looks on a background with the XYZ color 33.6160, 45.7649,

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

33.6160, 45.7649, 61.7053

Protanopia

43.5879, 45.0553, 53.9762

Deuteranopia

45.9227, 44.8702, 63.9980



Tritanopia

34.9291, 45.6182, 68.5922

Trichromacy



Original Color

33.6160, 45.7649, 61.7053



Protanomaly

38.1911, 44.3433, 56.4154



Deuteranomaly

39.3615, 43.8787, 62.8948



Tritanomaly

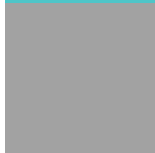
34.4821, 45.7787, 66.0503

Monochromacy



Original Color

33.6160, 45.7649, 61.7053



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.6822, 38.7001, 46.8216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6160, 45.7649, 61.7053 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(79, 197, 200)` looks like.

```
.text, #text, p{  
    color:rgb(79, 197, 200)  
}
```

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(79, 197, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 197, 200) }
```

Border

The CSS property to change the border of an element to XYZ 33.6160, 45.7649, 61.7053 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(79, 197, 200) }
```


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

```
.border{ border-color:rgb(79, 197, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 197, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 197, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 197, 200);  
box-shadow:4px 4px 4px 4px rgb(79, 197,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6160, 45.7649, 61.7053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 197, 200) }
```

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

```
.background{ background-color: rgb(79, 197,  
200) }
```

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