

Converting Colors

XYZ(37.8916, 45.3957, 66.5415)

Have a look what the booklet for
XYZ(37.8916, 45.3957, 66.5415)
contains.

XYZ(37.9670, 45.5919, 66.4736)	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(37.9670, 45.5919,
66.4736)**

Conversions

Conversions Part 1

Format	Color
Hex	7BBED0
RGB	123, 190, 208
RGB Percent	48%, 75%, 82%
CMY	0.5176, 0.2549, 0.1843
CMYK	0.41, 0.09, 0.00, 0.18
HSL	193°, 47%, 65%
HSV	193°, 41%, 82%
XYZ	37.9670, 45.5919, 66.4736
YIQ	172.0190, -45.7100, -8.6060

Conversions

Conversions Part 2

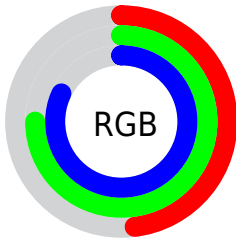
Format	Color
RYB	123, 160, 208
Decimal	8109776
CIELab	73.28, -16.59, -15.73
CIELCh	73, 22.866, 223.481
Yxy	45.5919, 0.2531, 0.3039
Android (android.graphics.Color)	4286299856 (0xFF7BBED0)
YUV	172.0190, 17.7386, -42.9897
Hunter-Lab	67.5218, -17.7939, -11.1044

Details

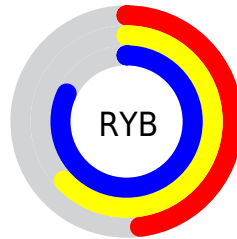
The XYZ color **37.9670, 45.5919, 66.4736** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.1133, 33.8906, 23.2202**, and the grayscale version is **39.1531, 41.1921, 44.8582**.

A 20% lighter version of the original color is **69.5962, 82.7152, 106.9053**, and **17.1623, 21.4534, 33.8082** is the 20% darker color. If you saturate the color by 10%, you get **34.3624, 42.3398, 66.0367**, and if you desaturate by 10%, it is **42.2353, 49.2311, 66.9519**.

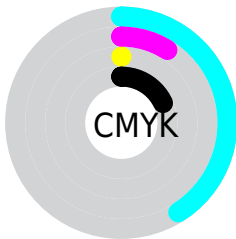
Distribution



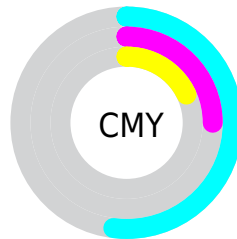
- Red (48%)
- Green (75%)
- Blue (82%)



- Red (48%)
- Yellow (63%)
- Blue (82%)



- Cyan (41%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)



- Cyan (52%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9670, 45.5919, 66.4736 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 37.9670, 45.5919, 66.4736 by changing the saturation by 10% instead.

■ 37.9670, 45.5919,
66.4736

■ 37.9670, 45.5919,
66.4736

328.7617,
369.1655, 466.5191

■ 26.1342, 31.9239,
48.1981

■ 71.3618, 83.6079,
115.7993

■ 17.0573, 21.3034,
33.6226

■ 93.6544, 108.7247,
147.6865

■ 10.3709, 13.3459,
22.3288

■ 120.1644,
138.4266, 184.9480

■ 5.7097, 7.6672,
13.8981

151.2571,
173.0979, 228.0024

■ 2.7083, 3.8827,
7.9119

187.2978,
213.1230, 277.2681

■ 1.0015, 1.6082,
3.9517

228.6519,

■ 0.0000, 0.3631,

258.8864, 333.1638

1.5989

275.6847,
310.7725, 396.1080

■ 0.0000, 0.0000,
0.2900

■ 0.0000, 0.0000,
0.0000

■ 37.9670, 45.5919,
66.4736

■ 37.9670, 45.5919,
66.4736

■ 34.3624, 42.3398,
66.0367

■ 42.2353, 49.2311,
66.9519

■ 31.3768, 39.4482,
65.6359

■ 47.2003, 53.2715,
67.4701

■ 28.9662, 36.8951,
65.2701

■ 52.8977, 57.7329,
68.0309

■ 27.0788, 34.6534,
64.9369

■ 59.3592, 62.6323,
68.6360

■ 25.6531, 32.6909,
64.6333

■ 66.6151, 67.9853,
69.2868

■ 24.6532, 31.0898,
64.3769

■ 74.6936, 73.8070,
69.9848

■ 78.4380, 77.4394,
70.4885

■ 79.6150, 79.7936,
70.8809

■ 80.8228, 82.2091,
71.2835

Harmonies

Analogous

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



36.2477, 45.5919, 54.9797



37.9670, 45.5919, 66.4736



41.1743, 45.5919, 74.0150

Triad

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



37.9670, 45.5919, 66.4736



51.1693, 45.5919, 56.2014



41.5578, 45.5919, 31.0870

Complementary

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



37.9670, 45.5919, 66.4736



39.1133, 33.8906, 23.2202

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.



45.5674, 45.5919, 31.3097



37.9670, 45.5919, 66.4736



51.2878, 45.5919, 44.6611

Square

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



37.9670, 45.5919, 66.4736



48.8694, 45.5919, 67.4862



49.1838, 45.5919, 35.9221



38.2328, 45.5919, 35.2578

Rectangle

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



37.9670, 45.5919, 66.4736



43.8044, 45.5919, 75.1593



49.1838, 45.5919, 35.9221



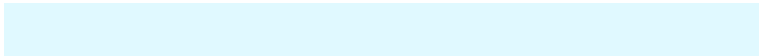
42.8664, 45.5919, 30.6725

Sweetspot

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



37.9684, 45.5937, 66.4747



82.6423, 90.5866, 107.7370



35.4590, 51.2172, 32.8292



17.4230, 19.1833, 23.0344



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.



37.9684, 45.5937, 66.4747



55.1563, 67.7553, 104.7788



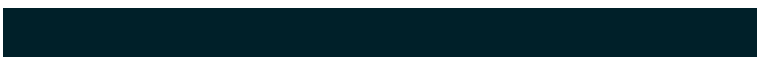
30.2232, 30.1033, 63.8929



11.9370, 12.9644, 15.1169



15.4373, 19.5212, 40.1468



0.9176, 1.2004, 2.2629

Inverse Universe

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



42.3908, 31.2948, 52.5233



63.3083, 42.8702, 78.7320



46.4191, 48.5022, 25.6554



12.1991, 11.9644, 14.3244



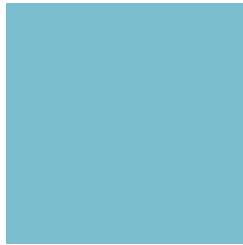
20.4228, 10.0419, 22.9302



1.1694, 0.5725, 1.4268

Previews

White Background



This preview shows how the XYZ color 37.9670, 45.5919, 66.4736 looks on a white background.

Color Contrast Check

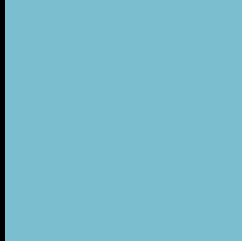
Large Text (above 18pt) WCAG AA × Fail

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 37.9670, 45.5919, 66.4736 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

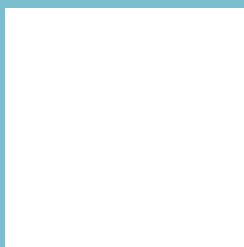
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9670, 45.5919, 66.4736

Background



This preview shows how black text looks on a background with the XYZ color 37.9670, 45.5919, 66.4736.



This preview shows how white text looks on a background with the XYZ color 37.9670, 45.5919,

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

37.9670, 45.5919, 66.4736

Protanopia

44.2502, 45.2410, 61.0437

Deuteranopia

46.1439, 45.1869, 67.9179



Tritanopia

37.5801, 45.4207, 65.1789

Trichromacy



Original Color

37.9670, 45.5919, 66.4736

Protanomaly

41.4121, 44.9358, 62.9907

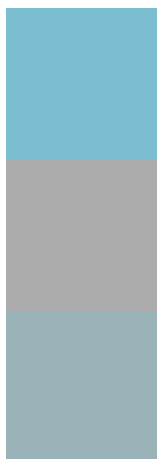
Deuteranomaly

42.4513, 44.7692, 67.3767

Tritanomaly

37.7020, 45.4695, 65.8209

Monochromacy



Original Color

37.9670, 45.5919, 66.4736

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.2035, 42.6130, 52.1105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9670, 45.5919, 66.4736 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(123, 190, 208)` looks like.

```
.text, #text, p{  
    color:rgb(123, 190, 208)  
}
```

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(123, 190, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 190, 208) }
```

Border

The CSS property to change the border of an element to XYZ 37.9670, 45.5919, 66.4736 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(123, 190, 208) }
```


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

```
.border{ border-color:rgb(123, 190, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 190, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 190, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 190, 208);  
box-shadow:4px 4px 4px 4px rgb(123, 190,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9670, 45.5919, 66.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 190, 208) }
```

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

```
.background{ background-color: rgb(123,  
190, 208) }
```

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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