

Converting Colors

XYZ(37.6658, 45.0145, 70.9934)

Have a look what the booklet for
XYZ(37.6658, 45.0145, 70.9934)
contains.

XYZ(37.6658, 45.0145, 70.9934)	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(37.6658, 45.0145,
70.9934)**

Conversions

Conversions Part 1

Format	Color
Hex	74BDD7
RGB	116, 189, 215
RGB Percent	45%, 74%, 84%
CMY	0.5451, 0.2588, 0.1569
CMYK	0.46, 0.12, 0.00, 0.16
HSL	196°, 55%, 65%
HSV	196°, 46%, 84%
XYZ	37.6658, 45.0145, 70.9934
YIQ	170.1370, -51.8540, -7.3900

Conversions

Conversions Part 2

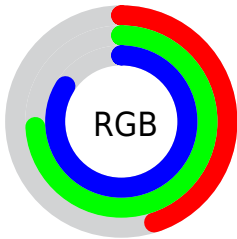
Format	Color
R _{YB}	116, 158, 215
Decimal	7650775
CIE _{Lab}	72.90, -15.94, -20.15
CIE _{LCh}	73, 25.689, 231.658
Yxy	45.0145, 0.2451, 0.2929
Android (android.graphics.Color)	4285840855 (0xFF74BDD7)
YUV	170.1370, 22.1175, -47.4781
Hunter-Lab	67.0928, -17.2029, -15.7719

Details

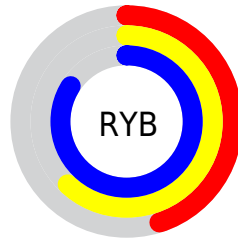
The XYZ color **37.6658, 45.0145, 70.9934** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.8507, 35.0550, 21.1376**, and the grayscale version is **38.1897, 40.1786, 43.7545**.

A 20% lighter version of the original color is **67.9360, 81.4091, 106.7407**, and **16.8942, 21.0459, 36.4296** is the 20% darker color. If you saturate the color by 10%, you get **33.9411, 41.3272, 70.4788**, and if you desaturate by 10%, it is **42.1020, 49.1407, 71.5568**.

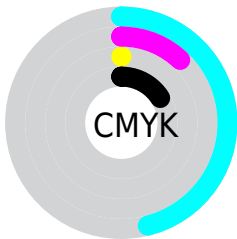
Distribution



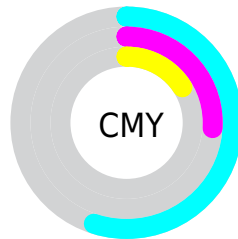
- Red (45%)
- Green (74%)
- Blue (84%)



- Red (45%)
- Yellow (62%)
- Blue (84%)



- Cyan (46%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)



- Cyan (55%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6658, 45.0145, 70.9934 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 37.6658, 45.0145, 70.9934 by changing the saturation by 10% instead.

■ 37.6658, 45.0145,
70.9934

■ 37.6658, 45.0145,
70.9934

327.4899,
366.8323, 482.9134

■ 25.8994, 31.4688,
51.8550

■ 70.9028, 82.7422,
122.3187

■ 16.8807, 20.9561,
36.5081

■ 93.1042, 107.6930,
155.3427

■ 10.2443, 13.0919,
24.5341

■ 119.5146,
137.2143, 193.8323

■ 5.6247, 7.4919,
15.5144

150.4994,
171.6905, 238.2060

■ 2.6567, 3.7716,
9.0306

186.4240,
211.5060, 288.8825

■ 0.9749, 1.5466,
4.6640

227.6537,

■ 0.0000, 0.3212,

257.0452, 346.2802

1.9963

274.5539,
308.6925, 410.8176

■ 0.0000, 0.0000,
0.5530

■ 0.0000, 0.0000,
0.0000

■ 37.6658, 45.0145,
70.9934

■ 37.6658, 45.0145,
70.9934

■ 33.9411, 41.3272,
70.4788

■ 42.1020, 49.1407,
71.5568

■ 30.8767, 38.0488,
70.0075

■ 47.2877, 53.7234,
72.1681

■ 28.4215, 35.1529,
69.5780

■ 53.2634, 58.7850,
72.8301

■ 26.5138, 32.6072,
69.1871

■ 60.0650, 64.3449,
73.5448

■ 25.0774, 30.3713,
68.8313

■ 67.7265, 70.4213,
74.3138

■ 24.5848, 29.5443,
68.6976

■ 76.2797, 77.0314,
75.1389

■ 81.3945, 81.9435,
75.8175

■ 82.9780, 85.1106,
76.3453

■ 84.6128, 88.3802,
76.8903

Harmonies

Analogous

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



35.2755, 45.0145, 58.6821



37.6658, 45.0145, 70.9934



41.5486, 45.0145, 77.6625

Triad

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



37.6658, 45.0145, 70.9934



51.8758, 45.0145, 52.6763



39.6872, 45.0145, 29.4918

Complementary

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



37.6658, 45.0145, 70.9934



40.8507, 35.0550, 21.1376

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.



44.0456, 45.0145, 28.4502



37.6658, 45.0145, 70.9934



51.2909, 45.0145, 40.4692

Square

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



37.6658, 45.0145, 70.9934



49.8949, 45.0145, 65.9455



48.3481, 45.0145, 32.1143



36.3847, 45.0145, 35.2597

Rectangle

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



37.6658, 45.0145, 70.9934



44.5473, 45.0145, 77.3265



48.3481, 45.0145, 32.1143



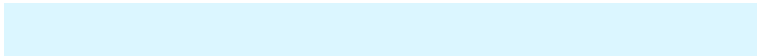
41.0697, 45.0145, 28.6228

Sweetspot

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



37.6672, 45.0162, 70.9945



80.1955, 88.0101, 107.3686



36.2932, 54.2305, 33.6580



16.7225, 18.4708, 22.9338



0.0000, 0.0000, 0.0000



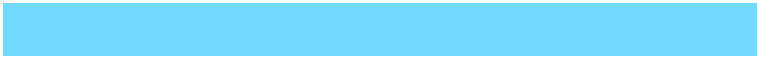
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.6672, 45.0162, 70.9945



50.2025, 61.0780, 103.7510



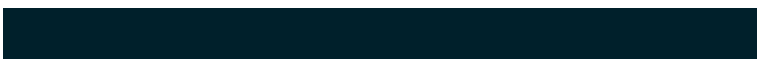
28.9575, 27.5969, 68.0912



12.5034, 13.5302, 15.8901



14.7950, 17.8517, 41.1191



0.9581, 1.2082, 2.5020

Inverse Universe

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



43.4562, 30.6133, 51.7645



60.0192, 38.5353, 70.7199



49.6454, 52.6445, 24.0692



12.8073, 12.5744, 14.9255



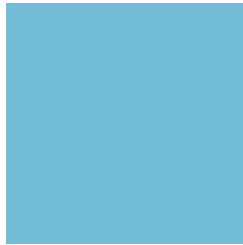
20.5267, 10.1470, 20.6094



1.2712, 0.6253, 1.4177

Previews

White Background



This preview shows how the XYZ color 37.6658, 45.0145, 70.9934 looks on a white background.

Color Contrast Check

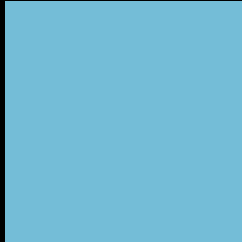
Large Text (above 18pt) WCAG AA × Fail

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 37.6658, 45.0145, 70.9934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

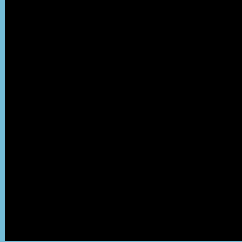
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6658, 45.0145, 70.9934

Background



This preview shows how black text looks on a background with the XYZ color 37.6658, 45.0145, 70.9934.



This preview shows how white text looks on a background with the XYZ color 37.6658, 45.0145,

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

37.6658, 45.0145, 70.9934

Protanopia

44.2182, 44.8335, 65.3547

Deuteranopia

45.4701, 44.4480, 72.5125



Tritanopia

36.5814, 45.2285, 65.1945

Trichromacy



Original Color

37.6658, 45.0145, 70.9934

Protanomaly

41.1056, 44.3763, 67.3717

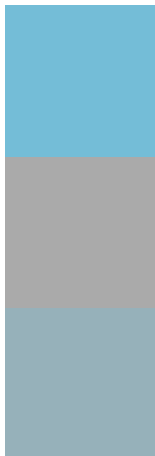
Deuteranomaly

41.9709, 44.1200, 71.9495

Tritanomaly

36.8615, 45.0078, 67.0662

Monochromacy



Original Color

37.6658, 45.0145, 70.9934

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.1627, 41.4735, 52.5009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6658, 45.0145, 70.9934 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(116, 189, 215)` looks like.

```
.text, #text, p{  
    color:rgb(116, 189, 215)  
}
```

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(116, 189, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 189, 215) }
```

Border

The CSS property to change the border of an element to XYZ 37.6658, 45.0145, 70.9934 is called "border". The border property can be set on classes, ids or directly on the HTML element.

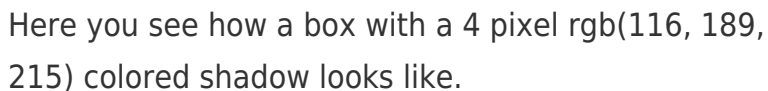
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 189, 215) }
```


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

```
.border{ border-color:rgb(116, 189, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 189, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 189, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 189, 215); box-shadow:4px 4px 4px 4px rgb(116, 189, 215) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6658, 45.0145, 70.9934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 189, 215) }
```

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

```
.background{ background-color: rgb(116,  
189, 215) }
```

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