

Converting Colors

XYZ(36.7136, 45.2103, 65.1791)

Have a look what the booklet for
XYZ(36.7136, 45.2103, 65.1791)
contains.

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Color

**XYZ(36.7108, 45.2952,
65.2005)**

Conversions

Conversions Part 1

Format	Color
Hex	72BFCE
RGB	114, 191, 206
RGB Percent	45%, 75%, 81%
CMY	0.5529, 0.2510, 0.1922
CMYK	0.45, 0.07, 0.00, 0.19
HSL	190°, 48%, 63%
HSV	190°, 45%, 81%
XYZ	36.7108, 45.2952, 65.2005
YIQ	169.6870, -50.7070, -11.6590

Conversions

Conversions Part 2

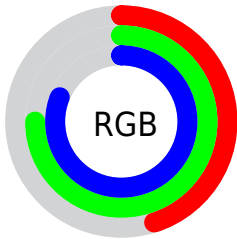
Format	Color
RYB	114, 156, 206
Decimal	7520206
CIELab	73.09, -19.86, -14.98
CIElCh	73, 24.877, 217.022
Yxy	45.2952, 0.2494, 0.3077
Android (android.graphics.Color)	4285710286 (0xFF72BFCE)
YUV	169.6870, 17.9023, -48.8375
Hunter-Lab	67.3017, -20.4123, -10.3277

Details

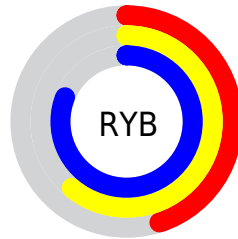
The XYZ color **36.7108, 45.2952, 65.2005** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.3420, 30.0381, 19.8033**, and the grayscale version is **37.9857, 39.9640, 43.5208**.

A 20% lighter version of the original color is **68.1950, 82.9009, 107.0150**, and **16.3005, 21.0282, 32.9055** is the 20% darker color. If you saturate the color by 10%, you get **33.6034, 42.6194, 64.8486**, and if you desaturate by 10%, it is **40.4412, 48.3191, 65.5884**.

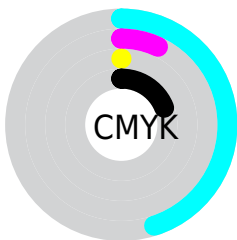
Distribution



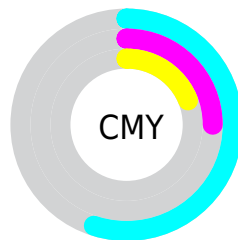
- Red (45%)
- Green (75%)
- Blue (81%)



- Red (45%)
- Yellow (61%)
- Blue (81%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)



- Cyan (55%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7108, 45.2952, 65.2005 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 36.7108, 45.2952, 65.2005 by changing the saturation by 10% instead.

■ 36.7108, 45.2952,
65.2005

■ 36.7108, 45.2952,
65.2005

323.4341,
367.9678, 461.8380

■ 25.1563, 31.6900,
47.1713

■ 69.4445, 83.1632,
113.9541

■ 16.3229, 21.1248,
32.8158

■ 91.3544, 108.1948,
145.5156

■ 9.8452, 13.2153,
21.7154

■ 117.4468,
137.8040, 182.4249

■ 5.3579, 7.5770,
13.4516

148.0871,
172.3752, 225.1006

■ 2.4957, 3.8255,
7.6059

183.6406,
212.2928, 273.9612

■ 0.8931, 1.5764,
3.7597

224.4727,

■ 0.0000, 0.3416,

257.9412, 329.4253

1.4945

270.9487,
309.7047, 391.9114

■ 0.0000, 0.0000,
0.2138

■ 0.0000, 0.0000,
0.0000

■ 36.7108, 45.2952,
65.2005

■ 36.7108, 45.2952,
65.2005

■ 33.6034, 42.6194,
64.8486

■ 40.4412, 48.3191,
65.5884

■ 31.0736, 40.2652,
64.5275

■ 44.8277, 51.7053,
66.0108

■ 29.0766, 38.2102,
64.2361

■ 49.9060, 55.4735,
66.4704

■ 27.5590, 36.4268,
63.9719

■ 55.7079, 59.6400,
66.9689

■ 26.4557, 34.8812,
63.7317

■ 62.2634, 64.2207,
67.5075

■ 25.9728, 34.1204,
63.6103

■ 69.6006, 69.2300,
68.0877

■ 76.5571, 74.0690,
68.6551

■ 77.4185, 75.7919,
68.9422

■ 78.2976, 77.5501,
69.2353

Harmonies

Analogous

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



35.2697, 45.2952, 52.3067



36.7108, 45.2952, 65.2005



39.8672, 45.2952, 74.8340

Triad

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



36.7108, 45.2952, 65.2005



51.2238, 45.2952, 59.2775



42.0369, 45.2952, 29.1534

Complementary

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



36.7108, 45.2952, 65.2005



36.3420, 30.0381, 19.8033

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.



46.4015, 45.2952, 30.3829



36.7108, 45.2952, 65.2005



51.9017, 45.2952, 46.4469

Square

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



36.7108, 45.2952, 65.2005



48.2890, 45.2952, 71.0320



50.0838, 45.2952, 36.2513



38.2076, 45.2952, 32.5537

Rectangle

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



36.7108, 45.2952, 65.2005



42.6185, 45.2952, 77.3292



50.0838, 45.2952, 36.2513



43.4879, 45.2952, 29.0497

Sweetspot

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



36.7122, 45.2969, 65.2016



82.1884, 90.8461, 107.8110



32.8950, 49.2743, 28.1316



17.1684, 19.1364, 23.0388



0.0000, 0.0000, 0.0000



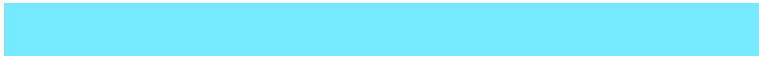
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7122, 45.2969, 65.2016



54.4385, 69.0466, 105.0659



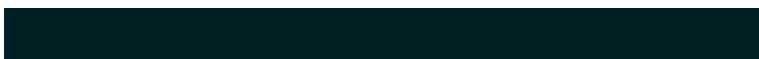
28.3909, 28.6544, 62.4278



11.3815, 12.4035, 14.3646



16.0533, 21.1306, 39.1888



0.8708, 1.1753, 2.0359

Inverse Universe

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



40.8760, 28.9193, 52.7196



62.2802, 39.9102, 81.1758



43.5893, 44.5328, 22.2191



11.6059, 11.3711, 13.7255



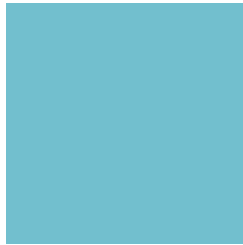
20.3139, 9.9361, 25.1692



1.0695, 0.5212, 1.4117

Previews

White Background



This preview shows how the XYZ color 36.7108, 45.2952, 65.2005 looks on a white background.

Color Contrast Check

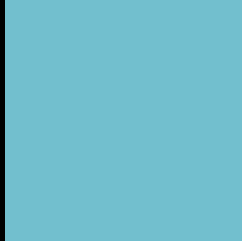
Large Text (above 18pt) WCAG AA × Fail

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 36.7108, 45.2952, 65.2005 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

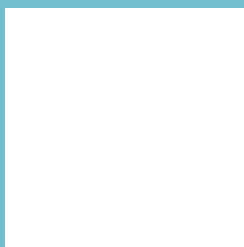
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7108, 45.2952, 65.2005

Background



This preview shows how black text looks on a background with the XYZ color 36.7108, 45.2952, 65.2005.



This preview shows how white text looks on a background with the XYZ color 36.7108, 45.2952,

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

36.7108, 45.2952, 65.2005

Protanopia

43.7047, 44.7056, 59.1489

Deuteranopia

45.8250, 44.7490, 67.1950



Tritanopia

36.7108, 45.2952, 65.2005

Trichromacy



Original Color

36.7108, 45.2952, 65.2005

Protanomaly

40.2901, 44.3983, 61.0898

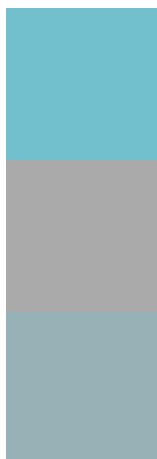
Deuteranomaly

41.7345, 44.4141, 66.6947

Tritanomaly

36.7108, 45.2952, 65.2005

Monochromacy



Original Color

36.7108, 45.2952, 65.2005

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.0453, 41.7437, 50.9046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7108, 45.2952, 65.2005 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(114, 191, 206)` looks like.

```
.text, #text, p{  
    color:rgb(114, 191, 206)  
}
```

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(114, 191, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 191, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.7108, 45.2952, 65.2005 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(114, 191, 206) }
```


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

```
.border{ border-color:rgb(114, 191, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 191, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 191, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 191, 206); box-shadow:4px 4px 4px 4px rgb(114, 191, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7108, 45.2952, 65.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 191, 206) }
```

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

```
.background{ background-color: rgb(114,  
191, 206) }
```

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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