

Converting Colors

XYZ(33.9368, 45.2640, 73.0808)

Have a look what the booklet for
XYZ(33.9368, 45.2640, 73.0808)
contains.

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Color

**XYZ(34.0257, 45.3826,
73.2960)**

Conversions

Conversions Part 1

Format	Color
Hex	38C4DA
RGB	56, 196, 218
RGB Percent	22%, 77%, 85%
CMY	0.7803, 0.2314, 0.1451
CMYK	0.74, 0.10, 0.00, 0.15
HSL	188°, 69%, 54%
HSV	188°, 74%, 85%
XYZ	34.0257, 45.3826, 73.2960
YIQ	156.6480, -90.5020, -22.8380

Conversions

Conversions Part 2

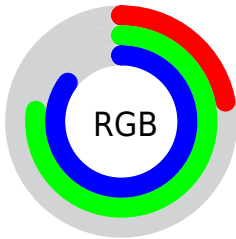
Format	Color
R_{YB}	56, 131, 218
Decimal	3720410
CIE _{Lab}	73.14, -29.21, -21.59
CIE _{LCh}	73, 36.323, 216.463
Yxy	45.3826, 0.2228, 0.2972
Android (android.graphics.Color)	4281910490 (0xFF38C4DA)
YUV	156.6480, 30.2465, -88.2683
Hunter-Lab	67.3666, -27.7343, -17.3519

Details

The XYZ color **34.0257, 45.3826, 73.2960** 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 **32.3530, 20.6414, 6.0218**, and the grayscale version is **31.7895, 33.4451, 36.4217**.

A 20% lighter version of the original color is **61.7795, 81.9062, 107.1611**, and **16.2839, 21.9903, 38.0366** is the 20% darker color. If you saturate the color by 10%, you get **32.4011, 43.5644, 73.0315**, and if you desaturate by 10%, it is **36.1965, 47.5038, 73.5919**.

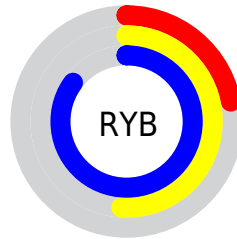
Distribution



Red (22%)

Green (77%)

Blue (85%)



Red (22%)

Yellow (51%)

Blue (85%)

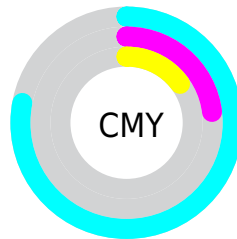


Cyan (74%)

Magenta (10%)

Yellow (0%)

Black (15%)



Cyan (78%)

Magenta (23%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0257, 45.3826, 73.2960 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 34.0257, 45.3826, 73.2960 by changing the saturation by 10% instead.

34.0257, 45.3826,
73.2960

34.0257, 45.3826,
73.2960

311.8305,
368.3209, 491.1383

23.0763, 31.7589,
53.7247

65.3177, 83.2942,
125.6221

14.7709, 21.1774,
37.9900

86.3910, 108.3510,
159.2141

8.7440, 13.2537,
25.6731

111.5696,
137.9875, 198.3167

4.6304, 7.6035,
16.3557

141.2189,
172.5882, 243.3485

2.0646, 3.8423,
9.6191

175.7044,
212.5375, 294.7280

0.6698, 1.5857,
5.0449

215.3912,

0.0000, 0.3480,

258.2198, 352.8738

2.2144

260.6448,
310.0195, 418.2044

■ 0.0000, 0.0000,
0.6827

■ 0.0000, 0.0000,
0.0000

■ 34.0257, 45.3826,
73.2960

■ 34.0257, 45.3826,
73.2960

■ 32.4011, 43.5644,
73.0315

■ 36.1965, 47.5038,
73.5919

■ 31.2437, 42.0056,
72.7917

■ 38.9704, 49.9546,
73.9187

■ 30.7231, 41.1981,
72.6632

■ 42.4017, 52.7641,
74.2802

■ 46.5375, 55.9567,
74.6784

■ 51.4205, 59.5544,
75.1155

■ 57.0899, 63.5777,
75.5933

■ 63.5823, 68.0455,
76.1134

■ 70.9317, 72.9754,
76.6776

■ 79.1704, 78.3841,
77.2874

Harmonies

Analogous

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



32.0857, 45.3826, 53.4634



34.0257, 45.3826, 73.2960



38.4319, 45.3826, 88.9949

Triad

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



34.0257, 45.3826, 73.2960



55.3499, 45.3826, 64.7662



41.7724, 45.3826, 22.1375

Complementary

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



34.0257, 45.3826, 73.2960



32.3530, 20.6414, 6.0218

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.



48.2066, 45.3826, 23.7513



34.0257, 45.3826, 73.2960



56.4673, 45.3826, 45.5743

Square

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



34.0257, 45.3826, 73.2960



50.8209, 45.3826, 83.2840



53.7398, 45.3826, 31.3805



36.2656, 45.3826, 26.2543

Rectangle

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



34.0257, 45.3826, 73.2960



42.3846, 45.3826, 93.2776



53.7398, 45.3826, 31.3805



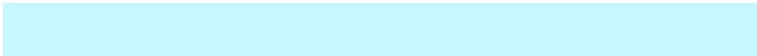
43.8938, 45.3826, 22.0463

Sweetspot

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



34.0271, 45.3843, 73.2971



74.9542, 86.1036, 107.2769



28.0644, 51.5290, 15.6016



15.5982, 18.1091, 22.9232



0.0000, 0.0000, 0.0000



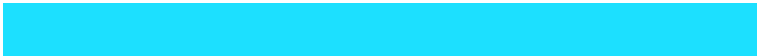
20.3446, 21.4041, 23.3091

Same Dimension

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



34.0271, 45.3843, 73.2971



45.2343, 60.8757, 103.9738



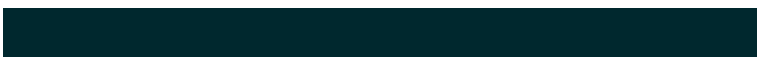
20.4639, 18.2577, 68.7760



13.2862, 14.5122, 16.7530



18.4644, 24.7982, 43.5518



1.2388, 1.6917, 2.8357

Inverse Universe

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



40.2927, 21.7207, 54.2951



55.1354, 27.4845, 73.0482



41.9582, 39.8519, 9.2236



13.5343, 13.2428, 16.0751



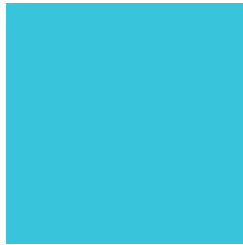
22.8153, 11.1272, 29.7371



1.4996, 0.7295, 2.0397

Previews

White Background



This preview shows how the XYZ color 34.0257, 45.3826, 73.2960 looks on a white background.

Color Contrast Check

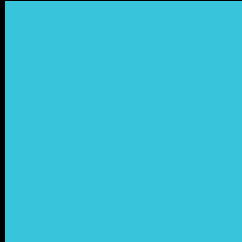
Large Text (above 18pt) WCAG AA × Fail

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 34.0257, 45.3826, 73.2960 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

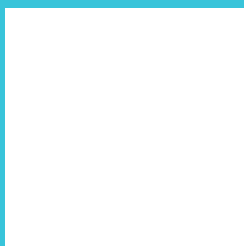
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0257, 45.3826, 73.2960

Background



This preview shows how black text looks on a background with the XYZ color 34.0257, 45.3826, 73.2960.



This preview shows how white text looks on a background with the XYZ color 34.0257, 45.3826,

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

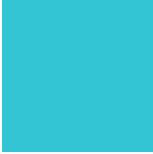
34.0257, 45.3826, 73.2960

Protanopia

43.9752, 44.7363, 64.0748

Deuteranopia

45.8828, 44.8719, 76.0549



Tritanopia

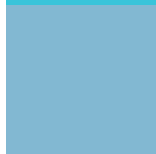
33.3927, 45.4667, 69.9668

Trichromacy



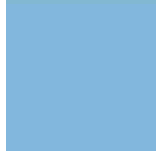
Original Color

34.0257, 45.3826, 73.2960



Protanomaly

37.9793, 43.6799, 67.4021



Deuteranomaly

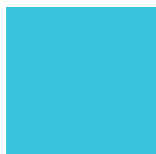
39.1906, 43.8333, 74.8017



Tritanomaly

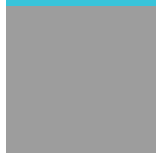
33.7002, 45.5957, 71.3146

Monochromacy



Original Color

34.0257, 45.3826, 73.2960



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.4453, 36.3736, 48.0640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0257, 45.3826, 73.2960 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(56, 196, 218)` looks like.

```
.text, #text, p{  
    color:rgb(56, 196, 218)  
}
```

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(56, 196, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 196, 218) }
```

Border

The CSS property to change the border of an element to XYZ 34.0257, 45.3826, 73.2960 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(56, 196, 218) }
```


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

```
.border{ border-color:rgb(56, 196, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 196, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 196, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 196, 218);  
box-shadow:4px 4px 4px 4px rgb(56, 196,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0257, 45.3826, 73.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 196, 218) }
```

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

```
.background{ background-color: rgb(56, 196,  
218) }
```

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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