

Converting Colors

XYZ(34.3134, 45.3949, 70.1556)

Have a look what the booklet for
XYZ(34.3134, 45.3949, 70.1556)
contains.

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Color

**XYZ(34.1978, 45.2120,
69.8752)**

Conversions

Conversions Part 1

Format	Color
Hex	48C3D5
RGB	72, 195, 213
RGB Percent	28%, 76%, 84%
CMY	0.7176, 0.2353, 0.1647
CMYK	0.66, 0.08, 0.00, 0.16
HSL	188°, 63%, 56%
HSV	188°, 66%, 84%
XYZ	34.1978, 45.2120, 69.8752
YIQ	160.2750, -79.0860, -20.4780

Conversions

Conversions Part 2

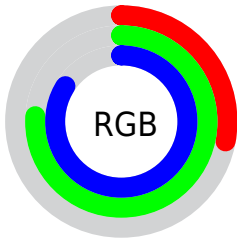
Format	Color
R_{YB}	72, 138, 213
Decimal	4768725
CIE _{Lab}	73.03, -28.13, -19.01
CIE _{LCh}	73, 33.953, 214.047
Yxy	45.2120, 0.2291, 0.3029
Android (android.graphics.Color)	4282958805 (0xFF48C3D5)
YUV	160.2750, 25.9934, -77.4172
Hunter-Lab	67.2399, -26.8857, -14.5458

Details

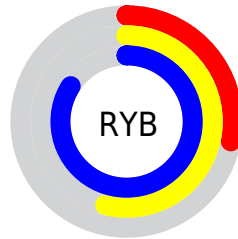
The XYZ color **34.1978, 45.2120, 69.8752** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.2676, 21.9277, 8.6640**, and the grayscale version is **33.4520, 35.1941, 38.3263**.

A 20% lighter version of the original color is **63.0137, 82.0750, 107.1286**, and **15.6964, 21.5184, 35.6739** is the 20% darker color. If you saturate the color by 10%, you get **32.2730, 43.3244, 69.6132**, and if you desaturate by 10%, it is **36.6864, 47.4086, 70.1689**.

Distribution



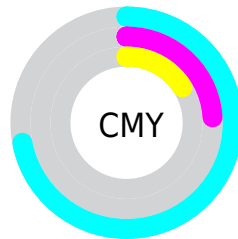
- Red (28%)
- Green (76%)
- Blue (84%)



- Red (28%)
- Yellow (54%)
- Blue (84%)



- Cyan (66%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)



- Cyan (72%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1978, 45.2120, 69.8752 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 34.1978, 45.2120, 69.8752 by changing the saturation by 10% instead.

■ 34.1978, 45.2120,
69.8752

■ 34.1978, 45.2120,
69.8752

312.5836,
367.6315, 478.8890

■ 23.2092, 31.6244,
50.9486

■ 65.5834, 83.0384,
120.7102

■ 14.8696, 21.0748,
35.7913

■ 86.7111, 108.0461,
153.4557

■ 8.8136, 13.1787,
23.9846

■ 111.9492,
137.6293, 191.6446

■ 4.6760, 7.5517,
15.1101

■ 141.6631,
172.1724, 235.6955

■ 2.0912, 3.8095,
8.7492

176.2182,
212.0597, 286.0268

■ 0.6844, 1.5676,
4.4834

215.9797,

■ 0.0000, 0.3356,

257.6758, 343.0571

1.8941

261.3130,
309.4049, 407.2050

■ 0.0000, 0.0000,
0.4890

■ 0.0000, 0.0000,
0.0000

■ 34.1978, 45.2120,
69.8752

■ 34.1978, 45.2120,
69.8752

■ 32.2730, 43.3244,
69.6132

■ 36.6864, 47.4086,
70.1689

■ 30.8480, 41.7100,
69.3766

■ 39.7858, 49.9356,
70.4933

■ 29.8495, 40.3317,
69.1632

■ 43.5426, 52.8182,
70.8517

■ 29.5295, 39.8423,
69.0856

■ 47.9979, 56.0776,
71.2460

■ 53.1894, 59.7334,
71.6780

■ 59.1519, 63.8035,
72.1493

■ 65.9181, 68.3049,
72.6616

■ 73.5187, 73.2535,
73.2162

■ 78.7059, 76.9751,
73.6611

Harmonies

Analogous

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



32.5697, 45.2120, 51.5698



34.1978, 45.2120, 69.8752



38.1718, 45.2120, 84.8285

Triad

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



34.1978, 45.2120, 69.8752



54.0659, 45.2120, 64.9523



42.1727, 45.2120, 23.3043

Complementary

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



34.1978, 45.2120, 69.8752



32.2676, 21.9277, 8.6640

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.



48.1600, 45.2120, 25.3108



34.1978, 45.2120, 69.8752



55.3838, 45.2120, 46.9586

Square

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



34.1978, 45.2120, 69.8752



49.6801, 45.2120, 81.5578



53.1331, 45.2120, 33.1108



36.8979, 45.2120, 26.8194

Rectangle

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



34.1978, 45.2120, 69.8752



41.8005, 45.2120, 89.3895



53.1331, 45.2120, 33.1108



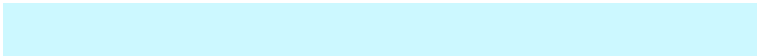
44.1665, 45.2120, 23.3619

Sweetspot

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



34.1992, 45.2137, 69.8763



76.6700, 87.4936, 107.4548



28.2481, 49.6794, 17.4323



15.9394, 18.3950, 22.9604



0.0000, 0.0000, 0.0000



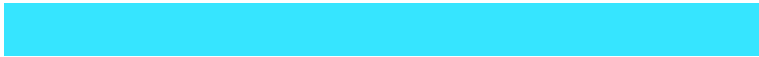
20.3446, 21.4041, 23.3091

Same Dimension

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



34.1992, 45.2137, 69.8763



47.6452, 64.1878, 104.4861



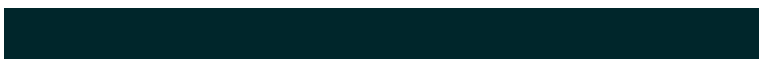
22.1514, 21.1180, 65.8603



12.6507, 13.8247, 15.9392



18.0902, 24.4422, 42.2175



1.1297, 1.5515, 2.5592

Inverse Universe

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



39.6095, 22.7223, 53.9297



56.7209, 29.5297, 77.0471



41.0011, 39.3947, 11.5752



12.8816, 12.6041, 15.3168



22.1900, 10.8123, 29.3681



1.3579, 0.6599, 1.8740

Previews

White Background



This preview shows how the XYZ color 34.1978, 45.2120, 69.8752 looks on a white background.

Color Contrast Check

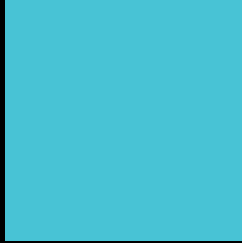
Large Text (above 18pt) WCAG AA × Fail

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 34.1978, 45.2120, 69.8752 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

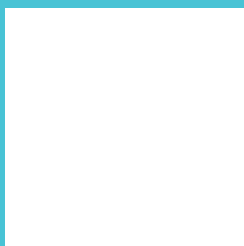
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1978, 45.2120, 69.8752

Background



This preview shows how black text looks on a background with the XYZ color 34.1978, 45.2120, 69.8752.

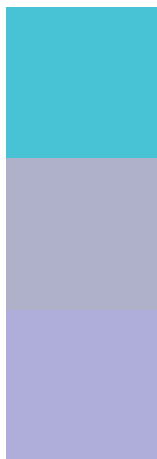


This preview shows how white text looks on a background with the XYZ color 34.1978, 45.2120,

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

34.1978, 45.2120, 69.8752

Protanopia

43.7203, 44.6600, 61.5743

Deuteranopia

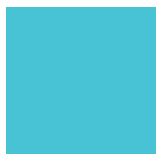
45.4701, 44.4480, 72.5125



Tritanopia

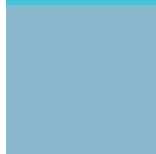
33.8715, 45.0730, 68.5428

Trichromacy



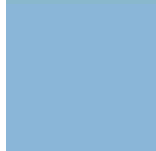
Original Color

34.1978, 45.2120, 69.8752



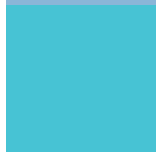
Protanomaly

38.4765, 44.0071, 64.2239



Deuteranomaly

39.6039, 43.8170, 71.3359



Tritanomaly

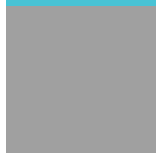
33.9973, 45.1233, 69.2052

Monochromacy



Original Color

34.1978, 45.2120, 69.8752



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.9823, 37.7310, 48.2450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1978, 45.2120, 69.8752 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(72, 195, 213)` looks like.

```
.text, #text, p{  
    color:rgb(72, 195, 213)  
}
```

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(72, 195, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 195, 213) }
```

Border

The CSS property to change the border of an element to XYZ 34.1978, 45.2120, 69.8752 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(72, 195, 213) }
```


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

```
.border{ border-color:rgb(72, 195, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 195, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 195, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 195, 213);  
box-shadow:4px 4px 4px 4px rgb(72, 195,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1978, 45.2120, 69.8752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 195, 213) }
```

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

```
.background{ background-color: rgb(72, 195,  
213) }
```

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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