

Converting Colors

XYZ(34.2767, 44.4480, 69.0618)

Have a look what the booklet for
XYZ(34.2767, 44.4480, 69.0618)
contains.

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Color

**XYZ(34.3470, 44.6427,
69.0940)**

Conversions

Conversions Part 1

Format	Color
Hex	51C1D4
RGB	81, 193, 212
RGB Percent	32%, 76%, 83%
CMY	0.6823, 0.2431, 0.1686
CMYK	0.62, 0.09, 0.00, 0.17
HSL	189°, 60%, 57%
HSV	189°, 62%, 83%
XYZ	34.3470, 44.6427, 69.0940
YIQ	161.6780, -72.8510, -17.8350

Conversions

Conversions Part 2

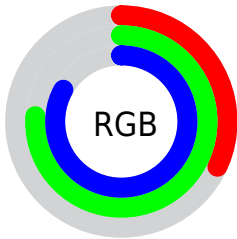
Format	Color
RYB	81, 141, 212
Decimal	5358036
CIELab	72.66, -26.00, -19.01
CIELCh	73, 32.208, 216.175
Yxy	44.6427, 0.2319, 0.3015
Android (android.graphics.Color)	4283548116 (0xFF51C1D4)
YUV	161.6780, 24.8087, -70.7546
Hunter-Lab	66.8152, -25.1669, -14.5415

Details

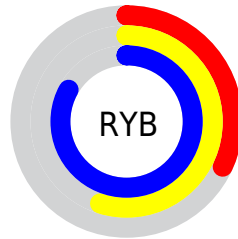
The XYZ color **34.3470, 44.6427, 69.0940** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **33.1950, 23.7070, 10.6124**, and the grayscale version is **34.1058, 35.8820, 39.0754**.

A 20% lighter version of the original color is **63.5633, 81.4309, 106.9753**, and **15.3184, 20.8996, 35.1249** is the 20% darker color. If you saturate the color by 10%, you get **32.1336, 42.5040, 68.7987**, and if you desaturate by 10%, it is **37.1443, 47.1053, 69.4227**.

Distribution



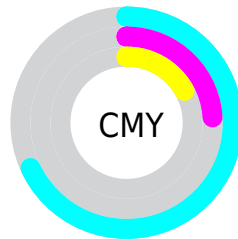
- Red (32%)
- Green (76%)
- Blue (83%)



- Red (32%)
- Yellow (55%)
- Blue (83%)



- Cyan (62%)
- Magenta (9%)
- Yellow (0%)
- Black (17%)





- Cyan (68%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3470, 44.6427, 69.0940 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 34.3470, 44.6427, 69.0940 by changing the saturation by 10% instead.


 34.3470, 44.6427,
69.0940


 34.3470, 44.6427,
69.0940


313.2353,
365.3246, 476.0653


 23.3245, 31.1761,
50.3160


 65.8136, 82.1840,
119.5848


 14.9553, 20.7330,
35.2916


 86.9884, 107.0274,
152.1347

 8.8741, 12.9290,
23.6023


 112.2780,
136.4320, 190.1123

 4.7156, 7.3796,
14.8294

 142.0478,
170.7820, 233.9362

 2.1144, 3.7006,
8.5544

176.6630,
210.4618, 284.0250

 0.6970, 1.5076,
4.3589

216.4891,

 0.0000, 0.2940,

255.8560, 340.7970

1.8242

261.8914,
307.3487, 404.6710

■ 0.0000, 0.0000,
0.4439

■ 0.0000, 0.0000,
0.0000

■ 34.3470, 44.6427,
69.0940

■ 34.3470, 44.6427,
69.0940

■ 32.1336, 42.5040,
68.7987

■ 37.1443, 47.1053,
69.4227

■ 30.4450, 40.6557,
68.5309

■ 40.5692, 49.9116,
69.7839

■ 29.2169, 39.0656,
68.2887

■ 44.6658, 53.0854,
70.1806

■ 28.4594, 37.9047,
68.1046

■ 49.4731, 56.6469,
70.6146

■ 55.0271, 60.6149,
71.0878

■ 61.3614, 65.0067,
71.6017

■ 68.5073, 69.8386,
72.1577

■ 76.4946, 75.1261,
72.7573

■ 78.8946, 77.5552,
73.0996

Harmonies

Analogous

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



32.6339, 44.6427, 51.9891



34.3470, 44.6427, 69.0940



38.2437, 44.6427, 82.4823

Triad

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



34.3470, 44.6427, 69.0940



53.0222, 44.6427, 62.1062



41.2879, 44.6427, 24.0128

Complementary

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



34.3470, 44.6427, 69.0940



33.1950, 23.7070, 10.6124

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.



46.9145, 44.6427, 25.5701



34.3470, 44.6427, 69.0940



54.0168, 44.6427, 45.3773

Square

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



34.3470, 44.6427, 69.0940



49.0846, 44.6427, 77.8688



51.6945, 44.6427, 32.6340



36.4086, 44.6427, 27.7850

Rectangle

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



34.3470, 44.6427, 69.0940



41.7199, 44.6427, 86.1633



51.6945, 44.6427, 32.6340



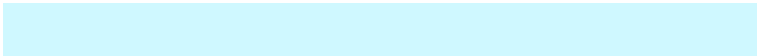
43.1512, 44.6427, 23.9442

Sweetspot

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



34.3484, 44.6444, 69.0951



77.2157, 87.5389, 107.4347



29.1648, 49.7281, 19.7342



16.0330, 18.3790, 22.9524



0.0000, 0.0000, 0.0000



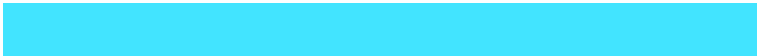
20.3446, 21.4041, 23.3091

Same Dimension

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



34.3484, 44.6444, 69.0951



47.9593, 63.6733, 104.3702



23.1332, 22.2139, 65.3567



12.6316, 13.7865, 15.9328



17.6262, 23.5142, 42.0629



1.1060, 1.5040, 2.5513

Inverse Universe

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



39.7207, 23.7336, 52.9412



57.1584, 30.7726, 76.0585



41.9074, 41.1317, 13.5165



12.8720, 12.6003, 15.2661



21.9558, 10.7186, 28.1348



1.3459, 0.6552, 1.8110

Previews

White Background



This preview shows how the XYZ color 34.3470, 44.6427, 69.0940 looks on a white background.

Color Contrast Check

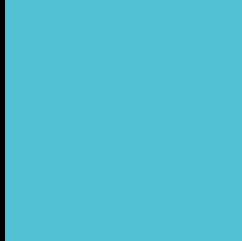
Large Text (above 18pt) WCAG AA × Fail

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 34.3470, 44.6427, 69.0940 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

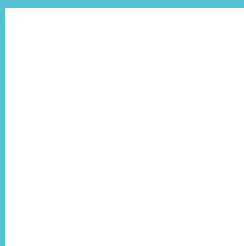
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3470, 44.6427, 69.0940

Background



This preview shows how black text looks on a background with the XYZ color 34.3470, 44.6427, 69.0940.



This preview shows how white text looks on a background with the XYZ color 34.3470, 44.6427,

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

34.3470, 44.6427, 69.0940

Protanopia

43.3015, 44.1520, 61.4983

Deuteranopia

45.0174, 43.9590, 71.0780



Tritanopia

33.8869, 44.4489, 67.1151

Trichromacy



Original Color

34.3470, 44.6427, 69.0940



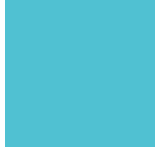
Protanomaly

38.5626, 43.4391, 64.1097



Deuteranomaly

39.5715, 43.2115, 70.5450



Tritanomaly

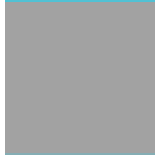
34.0111, 44.4985, 67.7693

Monochromacy



Original Color

34.3470, 44.6427, 69.0940



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.8547, 38.1690, 48.8157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3470, 44.6427, 69.0940 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(81, 193, 212)` looks like.

```
.text, #text, p{  
    color:rgb(81, 193, 212)  
}
```

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(81, 193, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 193, 212) }
```

Border

The CSS property to change the border of an element to XYZ 34.3470, 44.6427, 69.0940 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(81, 193, 212) }
```


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

```
.border{ border-color:rgb(81, 193, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 193, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 193, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 193, 212);  
box-shadow:4px 4px 4px 4px rgb(81, 193,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3470, 44.6427, 69.0940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 193, 212) }
```

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

```
.background{ background-color: rgb(81, 193,  
212) }
```

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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