

Converting Colors

XYZ(48.1787, 69.2483, 88.6086)

Have a look what the booklet for
XYZ(48.1787, 69.2483, 88.6086)
contains.

XYZ(48.2581, 69.4189, 88.6976)	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(48.2581, 69.4189,
88.6976)**

Conversions

Conversions Part 1

Format	Color
Hex	42F0EA
RGB	66, 240, 234
RGB Percent	26%, 94%, 92%
CMY	0.7411, 0.0588, 0.0823
CMYK	0.72, 0.00, 0.03, 0.06
HSL	178°, 85%, 60%
HSV	178°, 72%, 94%
XYZ	48.2581, 69.4189, 88.6976
YIQ	187.2900, -101.7780, -38.7540

Conversions

Conversions Part 2

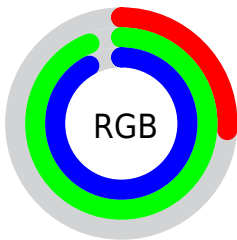
Format	Color
R _{YB}	66, 155, 240
Decimal	4387050
CIE _{Lab}	86.71, -43.84, -9.70
CIE _{LCh}	87, 44.896, 192.476
Y _{xy}	69.4189, 0.2338, 0.3364
Android (android.graphics.Color)	4282577130 (0xFF42F0EA)
YUV	187.2900, 23.0280, -106.3713
Hunter-Lab	83.3180, -42.4186, -4.7956

Details

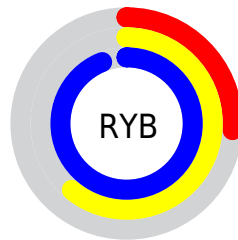
The XYZ color **48.2581, 69.4189, 88.6976** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **39.0554, 22.8917, 8.4932**, and the grayscale version is **47.3156, 49.7797, 54.2101**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **24.9694, 37.0813, 47.9609** is the 20% darker color. If you saturate the color by 10%, you get **46.8492, 68.7079, 88.0137**, and if you desaturate by 10%, it is **50.3495, 70.4848, 89.4194**.

Distribution



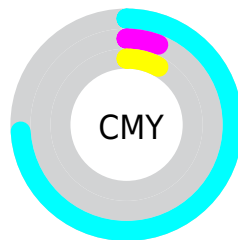
- Red (26%)
- Green (94%)
- Blue (92%)



- Red (26%)
- Yellow (61%)
- Blue (94%)



- Cyan (72%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)




- Cyan (74%)
- Magenta (6%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2581, 69.4189, 88.6976 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 48.2581, 69.4189, 88.6976 by changing the saturation by 10% instead.


 48.2581, 69.4189,
88.6976


 48.2581, 69.4189,
88.6976


370.3798,
458.5070, 544.2454


 34.2434, 51.0529,
66.3333


 86.7959, 118.3797,
147.4476


 23.2444, 36.2507,
48.0849


 112.0498,
149.7433, 184.6705

 14.8958, 24.6279,
33.5336


 141.7808,
186.2083, 227.6833

 8.8321, 15.8001,
22.2611

 176.3543,
228.1590, 276.9046

 4.6881, 9.3828,
13.8487

216.1355,
275.9798, 332.7529

 2.0983, 4.9917,
7.8780

261.4900,

 0.6883, 2.2424,

330.0552, 395.6468

3.9303

312.7830,
390.7694, 466.0048

■ 0.0000, 0.7430,
1.5872

■ 0.0000, 0.0000,
0.2817

■ 48.2581, 69.4189,
88.6976

■ 48.2581, 69.4189,
88.6976

■ 46.8492, 68.7079,
88.0137

■ 50.3495, 70.4848,
89.4194


■ 46.0255, 68.2968,
87.3586


■ 53.1927, 71.9367,
90.1778

■ 45.6875, 68.1328,
86.8819


■ 56.8553, 73.8110,
90.9774


■ 61.3959, 76.1377,
91.8211

 66.8673, 78.9443,
92.7112

 73.3187, 82.2560,
93.6501

 80.7953, 86.0962,
94.6399

 88.2223, 89.9108,
95.6303

 88.3461, 89.9602,
96.2818

Harmonies

Analogous

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



48.6304, 69.4189, 59.5637



48.2581, 69.4189, 88.6976



52.2553, 69.4189, 121.4315

Triad

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



48.2581, 69.4189, 88.6976



80.4851, 69.4189, 126.4081



72.2109, 69.4189, 32.9506

Complementary

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



48.2581, 69.4189, 88.6976



39.0554, 22.8917, 8.4932

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.



81.9205, 69.4189, 43.0315



48.2581, 69.4189, 88.6976



87.0328, 69.4189, 94.2497

Square

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



48.2581, 69.4189, 88.6976



70.4128, 69.4189, 146.7561



87.5842, 69.4189, 63.8336



61.7383, 69.4189, 32.2030

Rectangle

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



48.2581, 69.4189, 88.6976



57.1325, 69.4189, 138.8877



87.5842, 69.4189, 63.8336



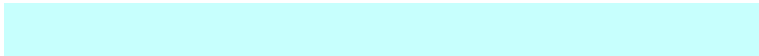
75.6981, 69.4189, 35.2071

Sweetspot

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



48.2602, 69.4215, 88.6993



77.0266, 90.7444, 106.4383



35.0239, 64.2000, 15.7019



16.0951, 19.2220, 22.7214



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.



48.2602, 69.4215, 88.6993



53.2342, 78.5827, 100.6391



30.8450, 33.1877, 87.2210



16.2224, 17.9190, 20.1942



25.0199, 37.3000, 47.6154



2.0888, 3.1059, 3.9998

Inverse Universe

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



39.0554, 22.8917, 8.4932



42.1848, 22.5148, 4.2022



46.9400, 38.9592, 10.2018



15.7949, 15.7677, 16.4762



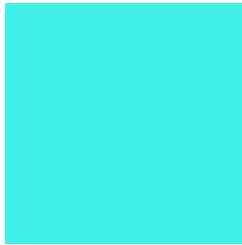
19.7062, 10.1549, 1.1033



1.6471, 0.8479, 0.1324

Previews

White Background



This preview shows how the XYZ color 48.2581, 69.4189, 88.6976 looks on a white background.

Color Contrast Check

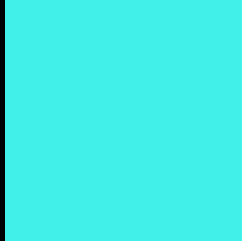
Large Text (above 18pt) WCAG AA × Fail

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 48.2581, 69.4189, 88.6976 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 48.2581, 69.4189, 88.6976

Background



This preview shows how black text looks on a background with the XYZ color 48.2581, 69.4189, 88.6976.

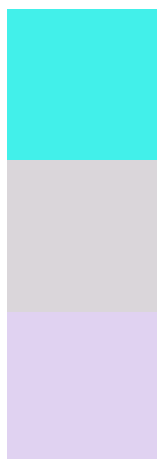


This preview shows how white text looks on a background with the XYZ color 48.2581, 69.4189,

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

48.2581, 69.4189, 88.6976

Protanopia

65.6149, 68.0605, 76.0084

Deuteranopia

69.6642, 68.2914, 92.7289



Tritanopia

51.8832, 69.1893, 105.2281

Trichromacy



Original Color

48.2581, 69.4189, 88.6976



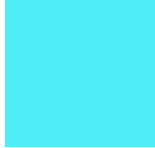
Protanomaly

54.9465, 65.9437, 80.3534



Deuteranomaly

57.2254, 66.1014, 90.6317



Tritanomaly

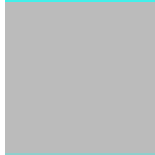
50.2971, 68.9460, 98.6527

Monochromacy



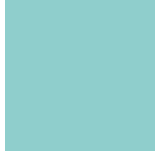
Original Color

48.2581, 69.4189, 88.6976



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.2981, 54.3419, 65.2810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2581, 69.4189, 88.6976 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(66, 240, 234)` looks like.

```
.text, #text, p{  
    color:rgb(66, 240, 234)  
}
```

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(66, 240, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 240, 234) }
```

Border

The CSS property to change the border of an element to XYZ 48.2581, 69.4189, 88.6976 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(66, 240, 234) }
```


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

```
.border{ border-color:rgb(66, 240, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 240, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 240, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 240, 234);  
box-shadow:4px 4px 4px 4px rgb(66, 240,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2581, 69.4189, 88.6976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 240, 234) }
```

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

```
.background{ background-color: rgb(66, 240,  
234) }
```

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