

Converting Colors

XYZ(47.4273, 69.6303, 83.0260)

Have a look what the booklet for
XYZ(47.4273, 69.6303, 83.0260)
contains.

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Color

**XYZ(47.3627, 69.5254,
82.8750)**

Conversions

Conversions Part 1

Format	Color
Hex	41F1E2
RGB	65, 241, 226
RGB Percent	25%, 95%, 89%
CMY	0.7451, 0.0549, 0.1137
CMYK	0.73, 0.00, 0.06, 0.05
HSL	175°, 86%, 60%
HSV	175°, 73%, 95%
XYZ	47.3627, 69.5254, 82.8750
YIQ	186.6660, -100.0810, -41.9770

Conversions

Conversions Part 2

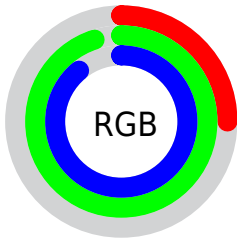
Format	Color
R _{YB}	65, 157, 241
Decimal	4321762
CIE _{Lab}	86.76, -46.54, -5.43
CIE _{LCh}	87, 46.860, 186.653
Y _{xy}	69.5254, 0.2371, 0.3480
Android (android.graphics.Color)	4282511842 (0xFF41F1E2)
YUV	186.6660, 19.3917, -106.7011
Hunter-Lab	83.3819, -44.5265, -0.5622

Details

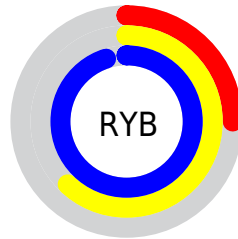
The XYZ color **47.3627, 69.5254, 82.8750** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **39.6162, 23.0625, 9.9552**, and the grayscale version is **46.9831, 49.4299, 53.8292**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **24.4912, 37.2213, 44.4217** is the 20% darker color. If you saturate the color by 10%, you get **45.8147, 68.7613, 81.3412**, and if you desaturate by 10%, it is **49.5982, 70.6467, 84.4617**.

Distribution



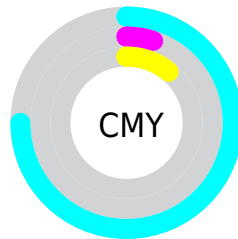
- Red (25%)
- Green (95%)
- Blue (89%)



- Red (25%)
- Yellow (62%)
- Blue (95%)



- Cyan (73%)
- Magenta (0%)
- Yellow (6%)
- Black (5%)





- Cyan (75%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3627, 69.5254, 82.8750 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 47.3627, 69.5254, 82.8750 by changing the saturation by 10% instead.


 47.3627, 69.5254,
82.8750


 47.3627, 69.5254,
82.8750


366.8852,
458.8818, 524.5299

 33.5316, 51.1397,
61.5470


 85.4702, 118.5317,
139.2480


 22.6952, 36.3198,
44.2334


 110.4774,
149.9211, 175.1302

 14.4881, 24.6813,
30.5155


 139.9406,
186.4138, 216.7008

 8.5449, 15.8398,
19.9748

 174.2252,
228.3944, 264.3784

 4.5002, 9.4108,
12.1928

213.6967,
276.2470, 318.5816

 1.9888, 5.0101,
6.7510

258.7202,

 0.6277, 2.2532,

330.3562, 379.7289

3.2308

309.6613,
391.1064, 448.2388

■ 0.0000, 0.7488,
1.2137

■ 0.0000, 0.0000,
0.0000

■ 47.3627, 69.5254,
82.8750

■ 47.3627, 69.5254,
82.8750

■ 45.8147, 68.7613,
81.3412

■ 49.5982, 70.6467,
84.4617


■ 44.8547, 68.2984,
79.8510

■ 52.5920, 72.1569,
86.1001


■ 44.4357, 68.1045,
78.8337


■ 56.4129, 74.0931,
87.7949


■ 61.1202, 76.4858,
89.5490

 66.7678, 79.3629,
91.3649

 73.4053, 82.7499,
93.2452

 81.0788, 86.6706,
95.1919

 88.7891, 90.6099,
97.1584

 89.1002, 90.7343,
98.7967

Harmonies

Analogous

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



48.6362, 69.5254, 54.3054



47.3627, 69.5254, 82.8750



50.6438, 69.5254, 117.5161

Triad

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



47.3627, 69.5254, 82.8750



79.4089, 69.5254, 134.8365



74.7467, 69.5254, 32.8623

Complementary

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



47.3627, 69.5254, 82.8750



39.6162, 23.0625, 9.9552

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.



84.3759, 69.5254, 45.2086



47.3627, 69.5254, 82.8750



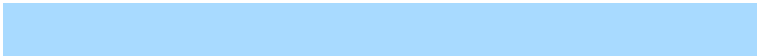
87.2679, 69.5254, 102.0872

Square

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



47.3627, 69.5254, 82.8750



68.5413, 69.5254, 152.4055



89.1788, 69.5254, 68.9541



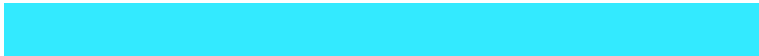
63.6818, 69.5254, 30.3418

Rectangle

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



47.3627, 69.5254, 82.8750



55.2103, 69.5254, 137.7774



89.1788, 69.5254, 68.9541



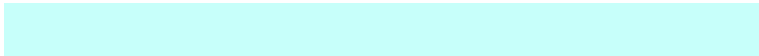
78.2942, 69.5254, 35.7956

Sweetspot

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



47.3647, 69.5280, 82.8767



76.5762, 90.5642, 104.0664



35.9437, 65.1159, 15.6767



15.9871, 19.1788, 22.1524



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.



47.3647, 69.5280, 82.8767



51.4348, 77.8538, 91.5757



32.5470, 36.4525, 88.5426



16.1859, 17.9044, 20.0016



24.1207, 36.9403, 42.8801



2.0236, 3.0799, 3.6567

Inverse Universe

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



39.6162, 23.0625, 9.9552



42.2895, 22.4472, 5.0908



45.9523, 36.5251, 9.6306



15.8275, 15.7807, 16.6478



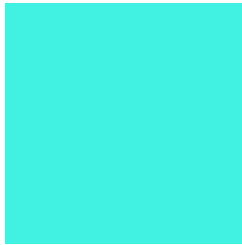
19.7624, 10.1774, 1.3995



1.6627, 0.8541, 0.2145

Previews

White Background



This preview shows how the XYZ color 47.3627, 69.5254, 82.8750 looks on a white background.

Color Contrast Check

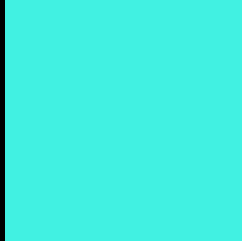
Large Text (above 18pt) WCAG AA × Fail

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 47.3627, 69.5254, 82.8750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

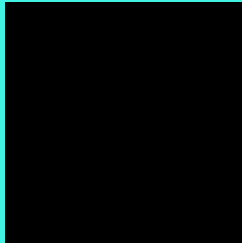
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

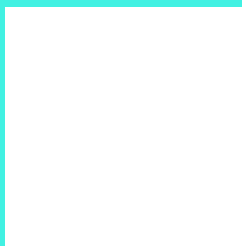
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3627, 69.5254, 82.8750

Background



This preview shows how black text looks on a background with the XYZ color 47.3627, 69.5254, 82.8750.

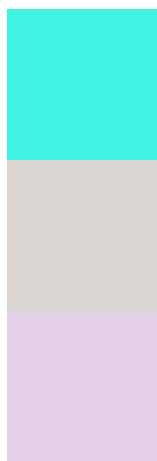


This preview shows how white text looks on a background with the XYZ color 47.3627, 69.5254,

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

47.3627, 69.5254, 82.8750

Protanopia

65.3196, 68.0119, 71.3129

Deuteranopia

69.5034, 67.9781, 86.5487



Tritanopia

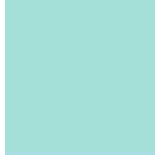
52.1653, 69.3348, 105.2413

Trichromacy



Original Color

47.3627, 69.5254, 82.8750



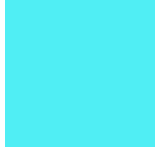
Protanomaly

54.3602, 66.1617, 74.8711



Deuteranomaly

56.5016, 65.8611, 84.5974



Tritanomaly

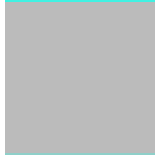
50.2119, 69.3862, 96.3344

Monochromacy



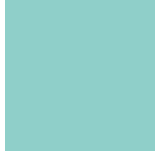
Original Color

47.3627, 69.5254, 82.8750



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.1831, 54.6823, 63.4844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3627, 69.5254, 82.8750 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(65, 241, 226)` looks like.

```
.text, #text, p{  
    color:rgb(65, 241, 226)  
}
```

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(65, 241, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 241, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.3627, 69.5254, 82.8750 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(65, 241, 226) }
```


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

```
.border{ border-color:rgb(65, 241, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 241, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 241, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 241, 226);  
box-shadow:4px 4px 4px 4px rgb(65, 241,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3627, 69.5254, 82.8750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 241, 226) }
```

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

```
.background{ background-color: rgb(65, 241,  
226) }
```

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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