

Converting Colors

XYZ(47.4486, 66.6070, 80.7729)

Have a look what the booklet for
XYZ(47.4486, 66.6070, 80.7729)
contains.

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Color

**XYZ(47.4935, 66.6071,
80.8743)**

Conversions

Conversions Part 1

Format	Color
Hex	5EEAE0
RGB	94, 234, 224
RGB Percent	37%, 92%, 88%
CMY	0.6313, 0.0823, 0.1216
CMYK	0.60, 0.00, 0.04, 0.08
HSL	176°, 77%, 64%
HSV	176°, 60%, 92%
XYZ	47.4935, 66.6071, 80.8743
YIQ	191.0000, -80.2300, -32.7900

Conversions

Conversions Part 2

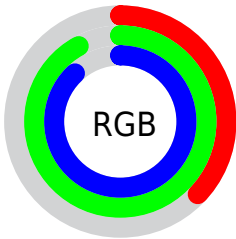
Format	Color
R _Y B	94, 167, 234
Decimal	6220512
CIE Lab	85.31, -39.89, -6.46
CIE LCh	85, 40.413, 189.201
Yxy	66.6071, 0.2436, 0.3416
Android (android.graphics.Color)	4284410592 (0xFF5EEAE0)
YUV	191.0000, 16.2690, -85.0690
Hunter-Lab	81.6132, -38.9478, -1.6240

Details

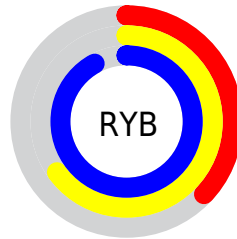
The XYZ color **47.4935, 66.6071, 80.8743** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **40.4354, 26.4994, 16.0829**, and the grayscale version is **49.4653, 52.0413, 56.6730**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **23.0818, 34.7054, 43.0184** is the 20% darker color. If you saturate the color by 10%, you get **45.2227, 65.4641, 79.5916**, and if you desaturate by 10%, it is **50.4976, 68.1310, 82.2059**.

Distribution



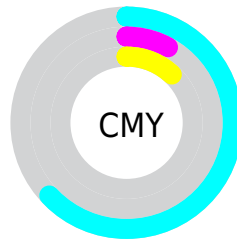
- Red (37%)
- Green (92%)
- Blue (88%)



- Red (37%)
- Yellow (65%)
- Blue (92%)



- Cyan (60%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)



- Cyan (63%)
- Magenta (8%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4935, 66.6071, 80.8743 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 47.4935, 66.6071, 80.8743 by changing the saturation by 10% instead.

47.4935, 66.6071,
80.8743

47.4935, 66.6071,
80.8743

367.3970,
448.5450, 517.6587

33.6355, 48.7654,
59.9077

85.6641, 114.3572,
136.4167

22.7753, 34.4334,
42.9194

110.7074,
145.0345, 171.8296

14.5475, 23.2268,
29.4910

140.2098,
180.7590, 212.8951

8.5866, 14.7610,
19.2038

174.5368,
221.9152, 260.0315

4.5275, 8.6518,
11.6393

214.0537,
268.8875, 313.6576

2.0047, 4.5148,
6.3790

259.1258,

0.6366, 1.9655,

322.0603, 374.1918

3.0044

310.1184,
381.8180, 442.0526

■ 0.0000, 0.5873,
1.0969

■ 0.0000, 0.0000,
0.0000

■ 47.4935, 66.6071,
80.8743

■ 47.4935, 66.6071,
80.8743

■ 45.2227, 65.4641,
79.5916

■ 50.4976, 68.1310,
82.2059

■ 43.6113, 64.6592,
78.3499


■ 54.2886, 70.0587,
83.5846

■ 42.5803, 64.1532,
77.1469


■ 58.9220, 72.4205,
85.0143


■ 41.9942, 63.8764,
75.9763


■ 64.4465, 75.2414,
86.4975


 41.9854, 63.8723,
75.9562

 70.9072, 78.5446,
88.0363

 78.3461, 82.3519,
89.6327

 85.7612, 86.1466,
91.2398

 86.0049, 86.2441,
92.5231

 86.2509, 86.3425,
93.8184

Harmonies

Analogous

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



48.2566, 66.6071, 56.0763



47.4935, 66.6071, 80.8743



50.6400, 66.6071, 109.2210

Triad

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



47.4935, 66.6071, 80.8743



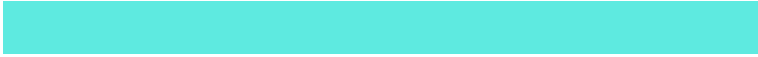
75.0803, 66.6071, 118.9480



69.7572, 66.6071, 34.9087

Complementary

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



47.4935, 66.6071, 80.8743



40.4354, 26.4994, 16.0829

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.



77.9300, 66.6071, 45.1325



47.4935, 66.6071, 80.8743



81.2028, 66.6071, 91.9088

Square

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



47.4935, 66.6071, 80.8743



66.1603, 66.6071, 134.4314



82.2931, 66.6071, 64.7689



60.5389, 66.6071, 33.3163

Rectangle

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



47.4935, 66.6071, 80.8743



54.7275, 66.6071, 124.9283



82.2931, 66.6071, 64.7689



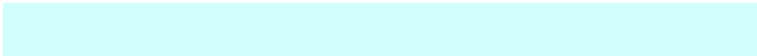
72.7417, 66.6071, 37.3072

Sweetspot

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



47.4955, 66.6097, 80.8759



79.6092, 92.1005, 105.4449



37.3497, 62.7002, 20.7252



16.5825, 19.4797, 22.4545



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.



47.4955, 66.6097, 80.8759



54.3974, 79.2785, 96.3474



34.9297, 39.2429, 83.5783



15.4685, 17.1022, 19.1500



23.6127, 35.8995, 42.7868



1.8681, 2.8246, 3.4332

Inverse Universe

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



40.4354, 26.4994, 16.0829



45.1393, 26.4658, 11.2234



47.2369, 40.8680, 15.9901



15.1091, 15.0715, 15.8599



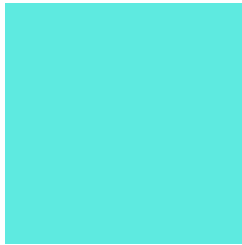
19.1400, 9.8587, 1.2727



1.5182, 0.7803, 0.1804

Previews

White Background



This preview shows how the XYZ color 47.4935, 66.6071, 80.8743 looks on a white background.

Color Contrast Check

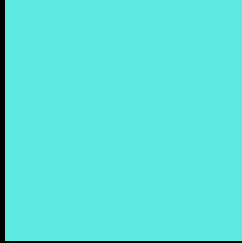
Large Text (above 18pt) WCAG AA × Fail

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 47.4935, 66.6071, 80.8743 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

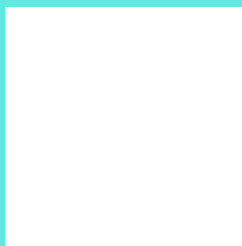
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.4935, 66.6071, 80.8743

Background



This preview shows how black text looks on a background with the XYZ color 47.4935, 66.6071, 80.8743.

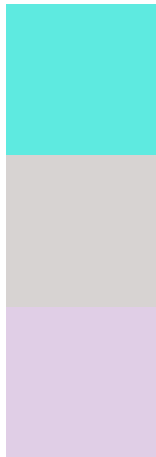


This preview shows how white text looks on a background with the XYZ color 47.4935, 66.6071,

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

47.4935, 66.6071, 80.8743

Protanopia

62.9515, 65.6887, 70.3341

Deuteranopia

67.0947, 65.7031, 84.0086



Tritanopia

51.1046, 66.3762, 99.7409

Trichromacy



Original Color

47.4935, 66.6071, 80.8743



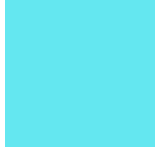
Protanomaly

54.3918, 64.2273, 73.8203



Deuteranomaly

56.6909, 64.0603, 82.7757



Tritanomaly

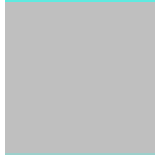
49.5596, 66.1524, 92.5947

Monochromacy



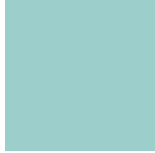
Original Color

47.4935, 66.6071, 80.8743



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.8026, 56.0054, 64.8433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4935, 66.6071, 80.8743 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(94, 234, 224)` looks like.

```
.text, #text, p{  
    color:rgb(94, 234, 224)  
}
```

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(94, 234, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 234, 224) }
```

Border

The CSS property to change the border of an element to XYZ 47.4935, 66.6071, 80.8743 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(94, 234, 224) }
```


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

```
.border{ border-color:rgb(94, 234, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 234, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 234, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 234, 224);  
box-shadow:4px 4px 4px 4px rgb(94, 234,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4935, 66.6071, 80.8743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 234, 224) }
```

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

```
.background{ background-color: rgb(94, 234,  
224) }
```

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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