

Converting Colors

XYZ(44.3078, 51.7040, 79.8069)

Have a look what the booklet for
XYZ(44.3078, 51.7040, 79.8069)
contains.

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Color

**XYZ(44.1426, 51.4887,
79.5633)**

Conversions

Conversions Part 1

Format	Color
Hex	87C7E2
RGB	135, 199, 226
RGB Percent	53%, 78%, 89%
CMY	0.4706, 0.2196, 0.1137
CMYK	0.40, 0.12, 0.00, 0.11
HSL	198°, 61%, 71%
HSV	198°, 40%, 89%
XYZ	44.1426, 51.4887, 79.5633
YIQ	182.9420, -46.8110, -5.1710

Conversions

Conversions Part 2

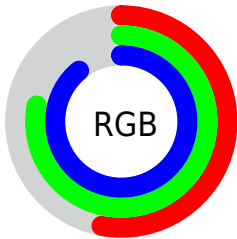
Format	Color
RYB	135, 173, 226
Decimal	8898530
CIELab	76.97, -13.54, -19.84
CIELCh	77, 24.023, 235.683
Yxy	51.4887, 0.2520, 0.2939
Android (android.graphics.Color)	4287088610 (0xFF87C7E2)
YUV	182.9420, 21.2276, -42.0451
Hunter-Lab	71.7556, -15.7628, -15.5124

Details

The XYZ color **44.1426, 51.4887, 79.5633** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.6587, 43.7599, 28.8052**, and the grayscale version is **44.8850, 47.2226, 51.4254**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **20.7844, 24.8965, 42.2381** is the 20% darker color. If you saturate the color by 10%, you get **39.3764, 46.7927, 78.9090**, and if you desaturate by 10%, it is **49.7517, 56.7225, 80.2788**.

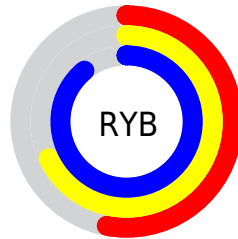
Distribution



Red (53%)

Green (78%)

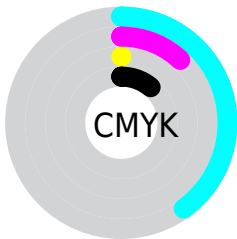
Blue (89%)



Red (53%)

Yellow (68%)

Blue (89%)

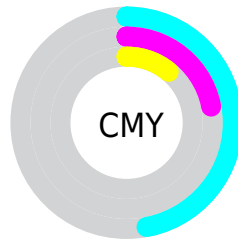


Cyan (40%)

Magenta (12%)

Yellow (0%)

Black (11%)



Cyan (47%)

Magenta (22%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1426, 51.4887, 79.5633 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 44.1426, 51.4887, 79.5633 by changing the saturation by 10% instead.

■ 44.1426, 51.4887,
79.5633

■ 44.1426, 51.4887,
79.5633

354.1323,
392.4595, 513.1278

■ 30.9810, 36.5977,
58.8350

■ 80.6773, 92.3767,
134.5574

■ 20.7362, 24.8962,
42.0612

■ 104.7811,
119.1426, 169.6603

■ 13.0426, 15.9997,
28.8233

■ 133.2631,
150.6354, 210.3919

■ 7.5351, 9.5239,
18.7027

166.4885,
187.2398, 257.1706

■ 3.8482, 5.0845,
11.2811

204.8228,
229.3400, 310.4150

■ 1.6166, 2.2969,
6.1397

248.6313,

■ 0.4032, 0.7721,

277.3204, 370.5436

2.8600

298.2793,
331.5654, 437.9751

■ 0.0000, 0.0000,
1.0236

■ 0.0000, 0.0000,
0.0000

■ 44.1426, 51.4887,
79.5633

■ 44.1426, 51.4887,
79.5633

■ 39.3764, 46.7927,
78.9090

■ 49.7517, 56.7225,
80.2788

■ 35.3983, 42.6014,
78.3097

■ 56.2448, 62.5131,
81.0543

■ 32.1540, 38.8867,
77.7636

■ 63.6657, 68.8854,
81.8931

■ 29.5797, 35.6145,
77.2677

■ 72.0540, 75.8610,
82.7974

■ 27.5999, 32.7443,
76.8181

■ 81.4468, 83.4603,
83.7692

■ 26.1170, 30.2697,
76.4186

■ 85.9030, 88.6217,
84.5306

■ 87.9052, 92.6262,
85.1980

■ 89.9811, 96.7779,
85.8900

■ 90.7276, 98.2711,
86.1388

Harmonies

Analogous

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



41.4278, 51.4887, 67.7111



44.1426, 51.4887, 79.5633



48.2790, 51.4887, 85.1391

Triad

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



44.1426, 51.4887, 79.5633



58.2494, 51.4887, 57.9811



45.2224, 51.4887, 36.2772

Complementary

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



44.1426, 51.4887, 79.5633



48.6587, 43.7599, 28.8052

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.



49.6039, 51.4887, 34.4976



44.1426, 51.4887, 79.5633



57.3061, 51.4887, 45.8328

Square

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



44.1426, 51.4887, 79.5633



56.5733, 51.4887, 71.5066



54.0697, 51.4887, 37.7151



42.0235, 51.4887, 43.0194

Rectangle

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



44.1426, 51.4887, 79.5633



51.3563, 51.4887, 83.9989



54.0697, 51.4887, 37.7151



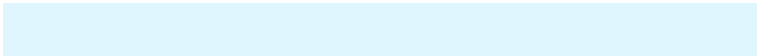
46.5977, 51.4887, 35.1286

Sweetspot

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



44.1442, 51.4907, 79.5645



81.8464, 88.9949, 107.4717



43.6033, 62.1104, 43.3101



17.2350, 18.8072, 22.9717



0.0000, 0.0000, 0.0000



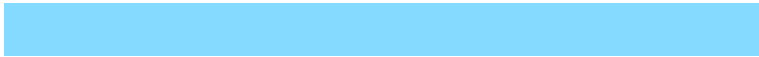
20.3446, 21.4041, 23.3091

Same Dimension

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



44.1442, 51.4907, 79.5645



52.9092, 62.6729, 103.9162



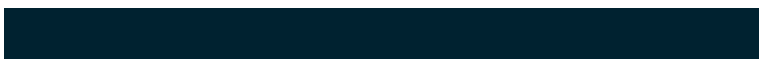
35.3949, 33.9920, 76.6481



13.7553, 14.8497, 17.5290



15.0075, 17.4846, 43.6322



1.1170, 1.3655, 3.0499

Inverse Universe

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



50.3382, 37.6218, 58.6435



62.3176, 43.0236, 71.8205



57.8780, 62.1985, 31.8783



14.1127, 13.8627, 16.3636



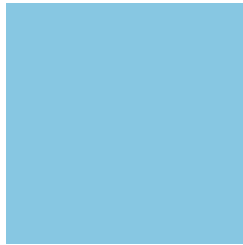
21.5153, 10.6731, 19.9112



1.5301, 0.7553, 1.5842

Previews

White Background



This preview shows how the XYZ color 44.1426, 51.4887, 79.5633 looks on a white background.

Color Contrast Check

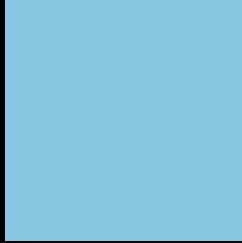
Large Text (above 18pt) WCAG AA × Fail

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 44.1426, 51.4887, 79.5633 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 44.1426, 51.4887, 79.5633

Background



This preview shows how black text looks on a background with the XYZ color 44.1426, 51.4887, 79.5633.



This preview shows how white text looks on a background with the XYZ color 44.1426, 51.4887,

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

44.1426, 51.4887, 79.5633

Protanopia

50.4053, 51.2187, 73.5592

Deuteranopia

52.2309, 51.0464, 81.2288



Tritanopia

42.9267, 51.6886, 73.3601

Trichromacy



Original Color

44.1426, 51.4887, 79.5633

Protanomaly

47.6267, 51.0267, 75.7456

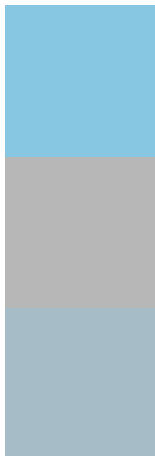
Deuteranomaly

48.7792, 50.8634, 80.6455

Tritanomaly

43.2454, 51.4624, 75.3641

Monochromacy



Original Color

44.1426, 51.4887, 79.5633

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.2323, 48.6257, 61.0872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.1426, 51.4887, 79.5633 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(135, 199, 226)` looks like.

```
.text, #text, p{  
    color:rgb(135, 199, 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(135, 199, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 199, 226) }
```

Border

The CSS property to change the border of an element to XYZ 44.1426, 51.4887, 79.5633 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(135, 199, 226) }
```


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

```
.border{ border-color:rgb(135, 199, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 199, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 199, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 199, 226);  
box-shadow:4px 4px 4px 4px rgb(135, 199,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 44.1426, 51.4887, 79.5633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 199, 226) }
```

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

```
.background{ background-color: rgb(135,  
199, 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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