

Converting Colors

XYZ(39.5629, 40.9280, 88.0204)

Have a look what the booklet for
XYZ(39.5629, 40.9280, 88.0204)
contains.

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Color

**XYZ(39.7663, 41.1526,
88.2854)**

Conversions

Conversions Part 1

Format	Color
Hex	80AEF0
RGB	128, 174, 240
RGB Percent	50%, 68%, 94%
CMY	0.4980, 0.3176, 0.0588
CMYK	0.47, 0.27, 0.00, 0.06
HSL	215°, 79%, 72%
HSV	215°, 47%, 94%
XYZ	39.7663, 41.1526, 88.2854
YIQ	167.7700, -48.6020, 10.7740

Conversions

Conversions Part 2

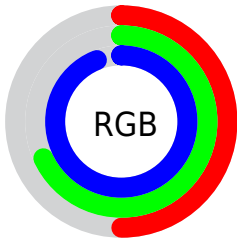
Format	Color
R _Y B	128, 161, 240
Decimal	8433392
CIE Lab	70.28, 2.06, -37.73
CIE LCh	70, 37.790, 273.117
Yxy	41.1526, 0.2350, 0.2432
Android (android.graphics.Color)	4286623472 (0xFF80AEF0)
YUV	167.7700, 35.6094, -34.8783
Hunter-Lab	64.1503, -1.6122, -36.6913

Details

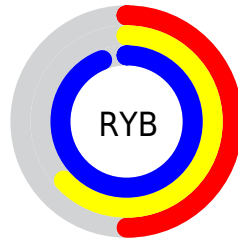
The XYZ color **39.7663, 41.1526, 88.2854** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **59.1245, 58.6689, 28.6318**, and the grayscale version is **36.9561, 38.8807, 42.3411**.

A 20% lighter version of the original color is **66.0769, 73.5729, 105.3261**, and **18.1371, 18.6819, 47.9974** is the 20% darker color. If you saturate the color by 10%, you get **33.9843, 34.3277, 87.2736**, and if you desaturate by 10%, it is **46.6925, 48.9960, 89.4351**.

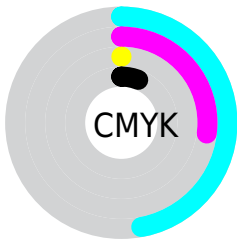
Distribution



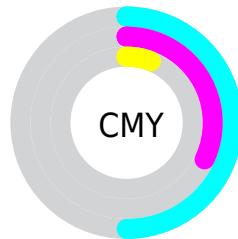
- Red (50%)
- Green (68%)
- Blue (94%)



- Red (50%)
- Yellow (63%)
- Blue (94%)



- Cyan (47%)
- Magenta (27%)
- Yellow (0%)
- Black (6%)



- Cyan (50%)
- Magenta (32%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7663, 41.1526, 88.2854 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 39.7663, 41.1526, 88.2854 by changing the saturation by 10% instead.

■ 39.7663, 41.1526,
88.2854

■ 39.7663, 41.1526,
88.2854

336.2889,
350.9580, 542.8629

■ 27.5398, 28.4383,
65.9938

■ 74.0941, 76.9155,
146.8691

■ 18.1177, 18.6564,
47.8109

■ 96.9261, 100.7329,
183.9982

■ 11.1347, 11.4222,
33.3182

■ 124.0240,
129.0202, 226.9102

■ 6.2255, 6.3516,
22.0972

155.7531,
162.1617, 276.0237

■ 3.0246, 3.0600,
13.7294

192.4788,
200.5418, 331.7571

■ 1.1668, 1.1632,
7.7961

234.5664,

■ 0.0799, 0.0313,

244.5450, 394.5292

3.8788

282.3813,
294.5556, 464.7582

■ 0.0000, 0.0000,
1.5591

■ 0.0000, 0.0000,
0.2614

■ 39.7663, 41.1526,
88.2854

■ 39.7663, 41.1526,
88.2854

■ 33.9843, 34.3277,
87.2736

■ 46.6925, 48.9960,
89.4351

■ 29.2723, 28.4676,
86.3908

■ 54.8223, 57.8988,
90.7250

■ 25.5531, 23.5194,
85.6317

■ 64.2157, 67.9047,
92.1612

■ 22.7357, 19.4217,
84.9893

■ 74.9275, 79.0536,
93.7486

■ 20.7075, 16.1009,
84.4552

■ 87.0087, 91.3830,
95.4917

■ 20.1496, 15.1340,
84.2980

■ 92.7283, 99.0713,
96.6742

Harmonies

Analogous

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



33.9669, 41.1526, 82.6878



39.7663, 41.1526, 88.2854



45.9971, 41.1526, 79.9254

Triad

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



39.7663, 41.1526, 88.2854



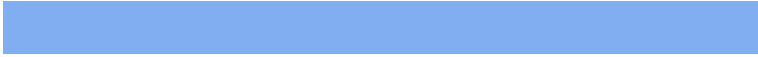
49.9748, 41.1526, 28.6210



29.4142, 41.1526, 31.0734

Complementary

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



39.7663, 41.1526, 88.2854



59.1245, 58.6689, 28.6318

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.



32.9549, 41.1526, 21.8612



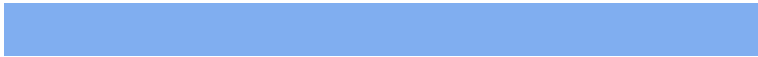
39.7663, 41.1526, 88.2854



44.7571, 41.1526, 20.7305

Square

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



39.7663, 41.1526, 88.2854



52.2689, 41.1526, 42.9768



38.4695, 41.1526, 18.6286



28.3757, 41.1526, 46.6909

Rectangle

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



39.7663, 41.1526, 88.2854



49.4475, 41.1526, 68.5863



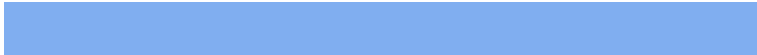
38.4695, 41.1526, 18.6286



30.3313, 41.1526, 27.2794

Sweetspot

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



39.7677, 41.1541, 88.2864



76.7659, 81.1509, 106.2254



49.7263, 70.7756, 61.6890



15.8862, 16.7982, 22.6550



0.0000, 0.0000, 0.0000



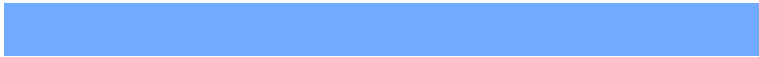
20.3446, 21.4041, 23.3091

Same Dimension

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



39.7677, 41.1541, 88.2864



39.2921, 39.7469, 100.2087



33.8201, 27.0779, 85.8829



15.4304, 16.2950, 20.0536



11.1536, 8.5314, 46.1867



1.0235, 0.9009, 3.8742

Inverse Universe

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



51.2956, 37.0211, 44.4881



54.3926, 35.8271, 42.5014



67.9049, 80.8131, 32.4432



16.0419, 15.8665, 17.7771



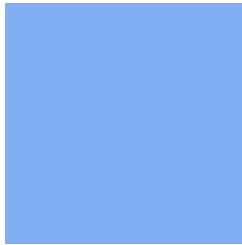
20.9554, 10.6546, 7.6819



1.7915, 0.9057, 0.8931

Previews

White Background



This preview shows how the XYZ color 39.7663, 41.1526, 88.2854 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 39.7663, 41.1526, 88.2854 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

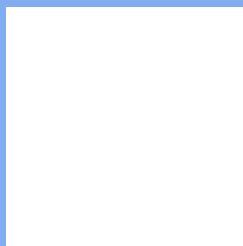
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7663, 41.1526, 88.2854

Background



This preview shows how black text looks on a background with the XYZ color 39.7663, 41.1526, 88.2854.



This preview shows how white text looks on a background with the XYZ color 39.7663, 41.1526,

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

39.7663, 41.1526, 88.2854

Protanopia

42.0908, 41.0114, 85.0544

Deuteranopia

41.9192, 40.8378, 88.8922



Tritanopia

33.8762, 41.1320, 58.9771

Trichromacy



Original Color

39.7663, 41.1526, 88.2854

Protanomaly

41.1767, 41.0799, 85.8797

Deuteranomaly

41.0876, 40.9657, 88.9607

Tritanomaly

35.8761, 41.0374, 68.9809

Monochromacy



Original Color

39.7663, 41.1526, 88.2854

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.2492, 39.4168, 56.6839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7663, 41.1526, 88.2854 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(128, 174, 240)` looks like.

```
.text, #text, p{  
    color:rgb(128, 174, 240)  
}
```

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(128, 174, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 174, 240) }
```

Border

The CSS property to change the border of an element to XYZ 39.7663, 41.1526, 88.2854 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(128, 174, 240) }
```


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

```
.border{ border-color:rgb(128, 174, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 174, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 174, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 174, 240);  
box-shadow:4px 4px 4px 4px rgb(128, 174,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7663, 41.1526, 88.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 174, 240) }
```

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

```
.background{ background-color: rgb(128,  
174, 240) }
```

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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