

Converting Colors

XYZ(41.0623, 46.2621, 78.4706)

Have a look what the booklet for
XYZ(41.0623, 46.2621, 78.4706)
contains.

XYZ(41.0708, 46.2827, 78.7203)	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(41.0708, 46.2827,
78.7203)**

Conversions

Conversions Part 1

Format	Color
Hex	83BCE2
RGB	131, 188, 226
RGB Percent	51%, 74%, 89%
CMY	0.4863, 0.2627, 0.1137
CMYK	0.42, 0.17, 0.00, 0.11
HSL	204°, 62%, 70%
HSV	204°, 42%, 89%
XYZ	41.0708, 46.2827, 78.7203
YIQ	175.2890, -46.1700, -0.2660

Conversions

Conversions Part 2

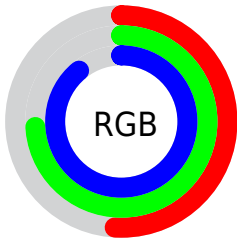
Format	Color
R_{YB}	131, 167, 226
Decimal	8633570
CIE _{Lab}	73.73, -8.75, -24.80
CIE _{LCh}	74, 26.298, 250.560
Yxy	46.2827, 0.2473, 0.2787
Android (android.graphics.Color)	4286823650 (0xFF83BCE2)
YUV	175.2890, 25.0005, -38.8415
Hunter-Lab	68.0314, -11.2938, -20.9835

Details

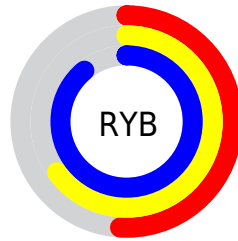
The XYZ color **41.0708, 46.2827, 78.7203** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.6499, 46.1847, 27.7721**, and the grayscale version is **40.7902, 42.9144, 46.7338**.

A 20% lighter version of the original color is **70.8942, 82.4862, 106.7926**, and **18.9951, 21.8047, 41.7357** is the 20% darker color. If you saturate the color by 10%, you get **36.0740, 40.9301, 77.9513**, and if you desaturate by 10%, it is **46.9550, 52.2744, 79.5675**.

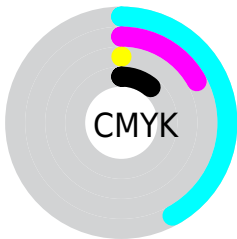
Distribution



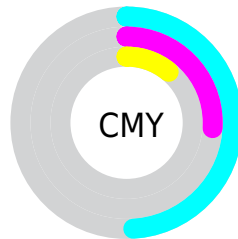
- Red (51%)
- Green (74%)
- Blue (89%)



- Red (51%)
- Yellow (65%)
- Blue (89%)



- Cyan (42%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0708, 46.2827, 78.7203 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 41.0708, 46.2827, 78.7203 by changing the saturation by 10% instead.

■ 41.0708, 46.2827,
78.7203

■ 41.0708, 46.2827,
78.7203

341.6740,
371.9440, 510.2022

■ 28.5623, 32.4690,
58.1459

■ 76.0654, 84.6419,
133.3601

■ 18.8926, 21.7200,
41.5105

■ 99.2822, 109.9562,
168.2626

■ 11.6962, 13.6513,
28.3955

■ 126.7992,
139.8728, 208.7783

■ 6.6079, 7.8785,
18.3824

158.9817,
174.7761, 255.3256

■ 3.2623, 4.0173,
11.0526

196.1951,
215.0504, 308.3231

■ 1.2939, 1.6833,
5.9876

238.8047,

■ 0.1787, 0.4128,

261.0803, 368.1893

2.7689

287.1758,
313.2500, 435.3428

■ 0.0000, 0.0000,
0.9779

■ 0.0000, 0.0000,
0.0000

■ 41.0708, 46.2827,
78.7203

■ 41.0708, 46.2827,
78.7203

■ 36.0740, 40.9301,
77.9513

■ 46.9550, 52.2744,
79.5675

■ 31.9077, 36.1809,
77.2542

■ 53.7698, 58.9276,
80.4925

■ 28.5151, 32.0035,
76.6267

■ 61.5608, 66.2700,
81.4991

■ 25.8292, 28.3600,
76.0650

■ 70.3693, 74.3257,
82.5898

■ 23.7701, 25.2057,
75.5647

■ 80.2340, 83.1177,
83.7669

■ 22.4758, 22.9875,
75.2048

■ 86.7920, 90.3998,
84.8268

■ 89.5531, 95.9221,
85.7472

■ 90.7276, 98.2711,
86.1387

Harmonies

Analogous

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



37.5190, 46.2827, 69.0198



41.0708, 46.2827, 78.7203



45.6553, 46.2827, 80.1151

Triad

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



41.0708, 46.2827, 78.7203



53.4146, 46.2827, 45.8296



38.4096, 46.2827, 33.2825

Complementary

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



41.0708, 46.2827, 78.7203



49.6499, 46.1847, 27.7721

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.



42.3663, 46.2827, 29.1167



41.0708, 46.2827, 78.7203



51.1659, 46.2827, 35.4624

Square

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



41.0708, 46.2827, 78.7203



53.0063, 46.2827, 59.4404



47.0450, 46.2827, 29.8370



36.0594, 46.2827, 42.3154

Rectangle

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



41.0708, 46.2827, 78.7203



48.7123, 46.2827, 75.9210



47.0450, 46.2827, 29.8370



39.5838, 46.2827, 31.3456

Sweetspot

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



41.0723, 46.2845, 78.7214



79.8031, 86.0756, 107.0159



43.5714, 62.0246, 46.4386



16.5763, 17.9521, 22.8414



0.0000, 0.0000, 0.0000



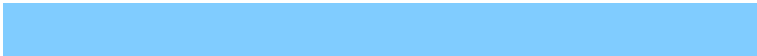
20.3446, 21.4041, 23.3091

Same Dimension

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



41.0723, 46.2845, 78.7214



48.4701, 54.9566, 102.6608



32.7744, 29.6888, 75.9554



13.6326, 14.6043, 17.4881



12.9415, 13.3525, 42.9436



0.9839, 1.0993, 3.0056

Inverse Universe

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



48.5587, 36.0338, 51.9746



59.7933, 40.9279, 61.8756



59.7411, 66.3670, 31.1358



14.0508, 13.8379, 16.0376



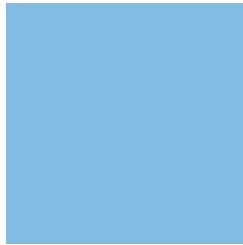
20.4724, 10.2560, 14.4196



1.4629, 0.7284, 1.2305

Previews

White Background



This preview shows how the XYZ color 41.0708, 46.2827, 78.7203 looks on a white background.

Color Contrast Check

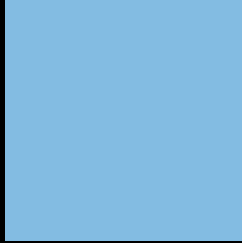
Large Text (above 18pt) WCAG AA × Fail

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 41.0708, 46.2827, 78.7203 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

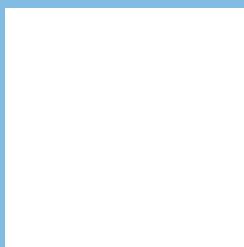
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.0708, 46.2827, 78.7203

Background



This preview shows how black text looks on a background with the XYZ color 41.0708, 46.2827, 78.7203.



This preview shows how white text looks on a background with the XYZ color 41.0708, 46.2827,

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

41.0708, 46.2827, 78.7203

Protanopia

45.8330, 46.0654, 74.1860

Deuteranopia

46.9593, 45.9300, 79.7891



Tritanopia

38.4975, 46.2022, 65.9204

Trichromacy



Original Color

41.0708, 46.2827, 78.7203

Protanomaly

43.6231, 45.7977, 75.6479

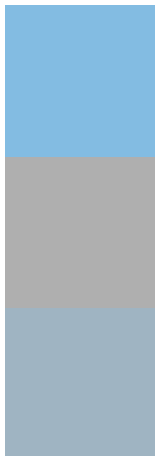
Deuteranomaly

44.4896, 45.8629, 79.1806

Tritanomaly

39.4531, 46.2711, 70.4702

Monochromacy



Original Color

41.0708, 46.2827, 78.7203

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.3569, 43.9085, 57.3871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0708, 46.2827, 78.7203 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(131, 188, 226)` looks like.

```
.text, #text, p{  
    color:rgb(131, 188, 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(131, 188, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 188, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.0708, 46.2827, 78.7203 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(131, 188, 226) }
```


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

```
.border{ border-color:rgb(131, 188, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 188, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 188, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 188, 226);  
box-shadow:4px 4px 4px 4px rgb(131, 188,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0708, 46.2827, 78.7203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 188, 226) }
```

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

```
.background{ background-color: rgb(131,  
188, 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](#).

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