

Converting Colors

XYZ(41.8970, 40.0456,
100.1291)

Have a look what the booklet for
XYZ(41.8970, 40.0456, 100.1291)
contains.

XYZ(41.8604, 40.0083, 100.1238)	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(41.8604, 40.0083,
100.1238)**

Conversions

Conversions Part 1

Format	Color
Hex	87A7FF
RGB	135, 167, 255
RGB Percent	53%, 65%, 100%
CMY	0.4706, 0.3451, 0.0000
CMYK	0.47, 0.35, 0.00, 0.00
HSL	224°, 100%, 76%
HSV	224°, 47%, 100%
XYZ	41.8604, 40.0083, 100.1238
YIQ	167.4640, -47.3200, 20.5840

Conversions

Conversions Part 2

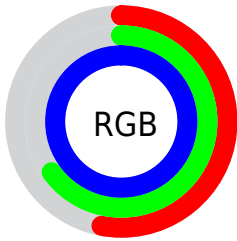
Format	Color
RYB	135, 160, 255
Decimal	8890367
CIELab	69.48, 11.99, -47.11
CIELCh	69, 48.616, 284.274
Yxy	40.0083, 0.2300, 0.2198
Android (android.graphics.Color)	4287080447 (0xFF87A7FF)
YUV	167.4640, 43.1552, -28.4709
Hunter-Lab	63.2521, 7.4405, -49.5756

Details

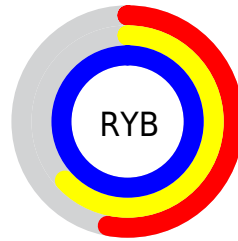
The XYZ color **41.8604, 40.0083, 100.1238** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.0021, 75.7865, 33.7571**, and the grayscale version is **36.7706, 38.6855, 42.1285**.

A 20% lighter version of the original color is **66.1636, 70.8000, 104.7863**, and **19.3043, 17.8752, 55.8589** is the 20% darker color. If you saturate the color by 10%, you get **35.0564, 31.7781, 98.8938**, and if you desaturate by 10%, it is **50.1449, 49.7385, 101.5653**.

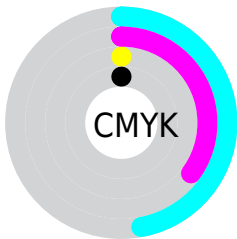
Distribution



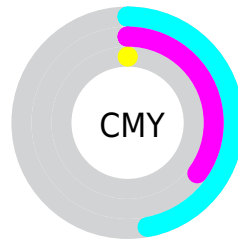
- Red (53%)
- Green (65%)
- Blue (100%)



- Red (53%)
- Yellow (63%)
- Blue (100%)



- Cyan (47%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8604, 40.0083, 100.1238 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 41.8604, 40.0083, 100.1238 by changing the saturation by 10% instead.

■ 41.8604, 40.0083,
100.1238

■ 41.8604, 40.0083,
100.1238

344.9054,
346.1586, 581.8396

■ 29.1826, 27.5450,
75.7865

■ 77.2548, 75.1762,
163.3807

■ 19.3640, 17.9830,
55.7518

■ 100.7021, 98.6495,
203.1373

■ 12.0392, 10.9378,
39.6013

■ 128.4700,
126.5617, 248.8707

■ 6.8427, 6.0250,
26.9164

160.9238,
159.2971, 300.9996

■ 3.4094, 2.8603,
17.2786

198.4289,
197.2400, 359.9423

■ 1.3738, 1.0592,
10.2693

241.3506,

■ 0.2374, 0.0000,

240.7750, 426.1176

5.4699

290.0543,
290.2864, 499.9438

■ 0.0000, 0.0000,
2.4620

■ 0.0000, 0.0000,
0.8199

■ 41.8604, 40.0083,
100.1238

■ 41.8604, 40.0083,
100.1238

■ 35.0564, 31.7781,
98.8938

■ 50.1449, 49.7385,
101.5653

■ 29.6364, 24.9646,
97.8644

■ 59.9899, 61.0374,
103.2273

■ 25.4981, 19.4821,
97.0243

■ 71.4744, 73.9744,
105.1191

■ 22.5220, 15.2326,
96.3609

■ 84.6707, 88.6131,
107.2492

■ 20.5595, 12.0996,
95.8596

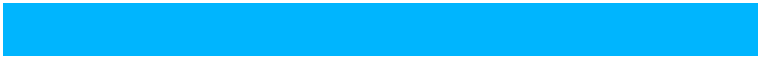
95.0500, 100.0000,
108.9000

■ 20.1169, 11.3538,
95.7390

Harmonies

Analogous

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



34.0909, 40.0083, 99.6324



41.8604, 40.0083, 100.1238



49.5331, 40.0083, 82.2956

Triad

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



41.8604, 40.0083, 100.1238



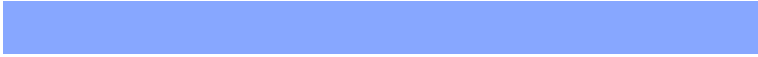
49.8554, 40.0083, 19.8650



25.2993, 40.0083, 32.8912

Complementary

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



41.8604, 40.0083, 100.1238



72.0021, 75.7865, 33.7571

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.



28.4563, 40.0083, 19.4110



41.8604, 40.0083, 100.1238



42.2543, 40.0083, 13.8466

Square

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



41.8604, 40.0083, 100.1238



54.5604, 40.0083, 33.7735



34.4345, 40.0083, 13.7154



25.2241, 40.0083, 55.0802

Rectangle

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



41.8604, 40.0083, 100.1238



53.2640, 40.0083, 65.0829



34.4345, 40.0083, 13.7154



26.0136, 40.0083, 27.4007

Sweetspot

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



41.8617, 40.0097, 100.1240



75.3231, 78.2654, 105.7445



59.0721, 81.9992, 82.5271



15.5372, 16.1001, 22.5387



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.



41.8617, 40.0097, 100.1240



35.7083, 32.5794, 99.0142



41.8199, 32.3365, 98.6452



17.3969, 18.1655, 22.8393



10.6152, 6.1400, 50.0602



1.1187, 0.7682, 4.9026

Inverse Universe

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



56.8800, 41.3796, 41.5495



52.5837, 35.1035, 32.9758



71.8125, 89.6005, 36.4335



18.2082, 18.0666, 19.7138



22.1463, 11.3478, 4.1547



2.1993, 1.1221, 0.6309

Previews

White Background



This preview shows how the XYZ color 41.8604, 40.0083, 100.1238 looks on a white background.

Color Contrast Check

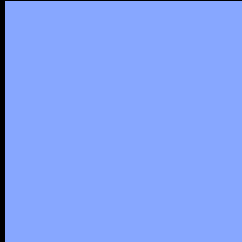
Large Text (above 18pt) WCAG AA × Fail

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 41.8604, 40.0083, 100.1238 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 41.8604, 40.0083, 100.1238

Background



This preview shows how black text looks on a background with the XYZ color 41.8604, 40.0083, 100.1238.



This preview shows how white text looks on a background with the XYZ color 41.8604, 40.0083,

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

41.8604, 40.0083, 100.1238

Protanopia

42.1731, 39.9172, 99.2480

Deuteranopia

41.1059, 39.8924, 100.1412



Tritanopia

33.1938, 39.9171, 56.9942

Trichromacy



Original Color

41.8604, 40.0083, 100.1238

Protanomaly

42.0068, 39.8315, 99.2402

Deuteranomaly

41.4127, 40.0506, 100.1556

Tritanomaly

36.0368, 39.9029, 70.7684

Monochromacy



Original Color

41.8604, 40.0083, 100.1238

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.6451, 38.7295, 59.5243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8604, 40.0083, 100.1238 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 167, 255)  
}
```

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, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.8604, 40.0083, 100.1238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

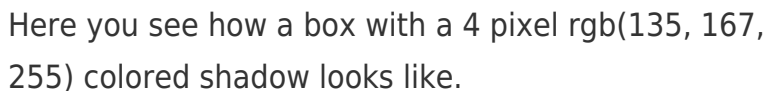
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 167, 255) }
```


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

```
.border{ border-color:rgb(135, 167, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 167, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 167, 255); box-shadow:4px 4px 4px 4px rgb(135, 167, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8604, 40.0083, 100.1238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 167, 255) }
```

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

```
.background{ background-color: rgb(135,  
167, 255) }
```

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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