

Converting Colors

XYZ(41.1919, 40.9596,
100.3427)

Have a look what the booklet for
XYZ(41.1919, 40.9596, 100.3427)
contains.

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Color

**XYZ(41.2600, 41.0850,
100.3633)**

Conversions

Conversions Part 1

Format	Color
Hex	7DACFF
RGB	125, 172, 255
RGB Percent	49%, 67%, 100%
CMY	0.5098, 0.3255, 0.0000
CMYK	0.51, 0.33, 0.00, 0.00
HSL	218°, 100%, 75%
HSV	218°, 51%, 100%
XYZ	41.2600, 41.0850, 100.3633
YIQ	167.4090, -54.6550, 15.8490

Conversions

Conversions Part 2

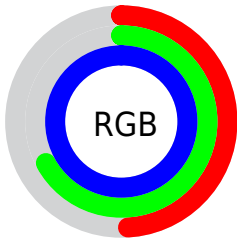
Format	Color
R _Y B	125, 160, 255
Decimal	8236287
CIE Lab	70.24, 6.88, -45.96
CIE LCh	70, 46.472, 278.518
Yxy	41.0850, 0.2258, 0.2249
Android (android.graphics.Color)	4286426367 (0xFF7DACFF)
YUV	167.4090, 43.1824, -37.1927
Hunter-Lab	64.0976, 2.7308, -47.9673

Details

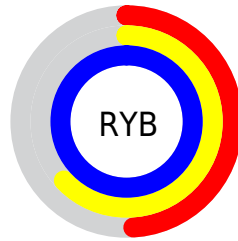
The XYZ color **41.2600, 41.0850, 100.3633** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.4990, 67.8546, 28.9439**, and the grayscale version is **36.7463, 38.6600, 42.1008**.

A 20% lighter version of the original color is **65.2862, 72.3485, 105.1314**, and **19.0239, 18.6001, 56.0136** is the 20% darker color. If you saturate the color by 10%, you get **35.0928, 33.5847, 99.2407**, and if you desaturate by 10%, it is **48.7649, 49.8399, 101.6576**.

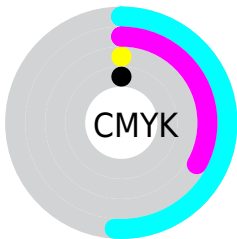
Distribution



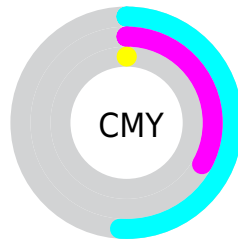
- Red (49%)
- Green (67%)
- Blue (100%)



- Red (49%)
- Yellow (63%)
- Blue (100%)



- Cyan (51%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2600, 41.0850, 100.3633 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 41.2600, 41.0850, 100.3633 by changing the saturation by 10% instead.

■ 41.2600, 41.0850,
100.3633

■ 41.2600, 41.0850,
100.3633

342.4502,
350.6757, 582.6134

■ 28.7109, 28.3855,
75.9854

■ 76.3506, 76.8129,
163.7126

■ 19.0054, 18.6165,
55.9140

■ 99.6229, 100.6101,
203.5210

■ 11.7782, 11.3935,
39.7304

■ 127.2002,
128.8754, 249.3101

■ 6.6640, 6.3321,
27.0162

159.4479,
161.9930, 301.4983

■ 3.2973, 3.0481,
17.3529

196.7314,
200.3475, 360.5042

■ 1.3129, 1.1569,
10.3218

239.4160,

■ 0.1928, 0.0261,

244.3232, 426.7464

5.5044

287.8672,
294.3045, 500.6432

■ 0.0000, 0.0000,
2.4823

■ 0.0000, 0.0000,
0.8308

■ 41.2600, 41.0850,
100.3633

■ 41.2600, 41.0850,
100.3633

■ 35.0928, 33.5847,
99.2407

■ 48.7649, 49.8399,
101.6576

■ 30.1710, 27.2691,
98.2810

■ 57.6833, 59.9055,
103.1304

■ 26.3956, 22.0662,
97.4757

■ 68.0895, 71.3393,
104.7889

■ 23.6485, 17.8922,
96.8149

■ 80.0515, 84.1938,
106.6396

■ 21.8935, 14.9071,
96.3312

■ 93.6327, 98.5185,
108.6887

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



33.9282, 41.0850, 96.2209



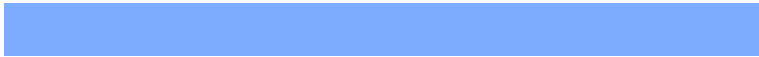
41.2600, 41.0850, 100.3633



48.9001, 41.0850, 86.2346

Triad

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



41.2600, 41.0850, 100.3633



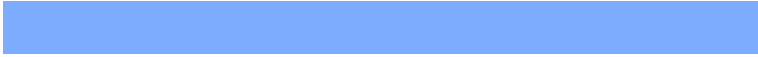
51.6673, 41.0850, 23.3666



26.9450, 41.0850, 31.0646

Complementary

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



41.2600, 41.0850, 100.3633



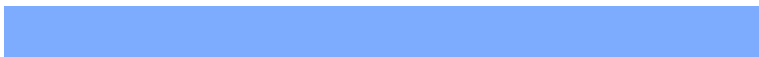
67.4990, 67.8546, 28.9439

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.



30.6204, 41.0850, 19.2867



41.2600, 41.0850, 100.3633



44.6631, 41.0850, 15.9537

Square

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



41.2600, 41.0850, 100.3633



55.4000, 41.0850, 38.8045



36.9205, 41.0850, 14.7524



26.2822, 41.0850, 51.2400

Rectangle

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



41.2600, 41.0850, 100.3633



52.9199, 41.0850, 70.4106



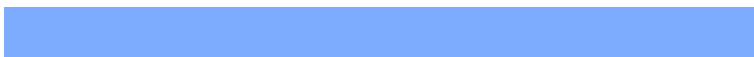
36.9205, 41.0850, 14.7524



27.8438, 41.0850, 26.2099

Sweetspot

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



41.2614, 41.0864, 100.3635



75.0490, 78.8495, 105.8717



55.5220, 80.4019, 71.8397



15.5245, 16.2976, 22.5775



0.0000, 0.0000, 0.0000



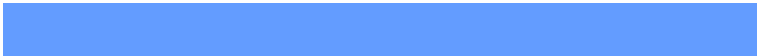
20.3446, 21.4041, 23.3091

Same Dimension

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



41.2614, 41.0864, 100.3635



35.0806, 33.5695, 99.2384



36.5980, 27.6697, 98.0196



17.5405, 18.4527, 22.8872



11.5684, 8.0463, 50.3780



1.2256, 0.9820, 4.9382

Inverse Universe

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



56.0210, 38.9075, 43.5882



51.7187, 32.6588, 34.8908



74.6104, 91.1205, 33.0598



18.2807, 18.0956, 20.0955



22.6274, 11.5402, 6.6882



2.2533, 1.1437, 0.9151

Previews

White Background



This preview shows how the XYZ color 41.2600, 41.0850, 100.3633 looks on a white background.

Color Contrast Check

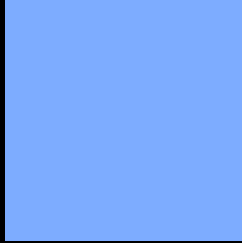
Large Text (above 18pt) WCAG AA × Fail

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 41.2600, 41.0850, 100.3633 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

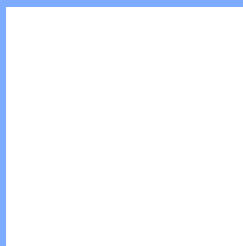
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2600, 41.0850, 100.3633

Background



This preview shows how black text looks on a background with the XYZ color 41.2600, 41.0850, 100.3633.



This preview shows how white text looks on a background with the XYZ color 41.2600, 41.0850,

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

41.2600, 41.0850, 100.3633

Protanopia

42.9010, 40.8732, 97.7236

Deuteranopia

42.0976, 40.9560, 100.2943



Tritanopia

33.0704, 41.0084, 59.5985

Trichromacy



Original Color

41.2600, 41.0850, 100.3633

Protanomaly

42.0709, 40.7020, 98.5674

Deuteranomaly

41.8188, 41.0916, 100.3351

Tritanomaly

35.7163, 40.8654, 73.0232

Monochromacy



Original Color

41.2600, 41.0850, 100.3633

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.4457, 39.1749, 59.6207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2600, 41.0850, 100.3633 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(125, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 172, 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(125, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.2600, 41.0850, 100.3633 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(125, 172, 255) }
```


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

```
.border{ border-color:rgb(125, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2600, 41.0850, 100.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 172, 255) }
```

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

```
.background{ background-color: rgb(125,  
172, 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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