

Converting Colors

XYZ(40.4047, 40.5083, 93.6850)

Have a look what the booklet for
XYZ(40.4047, 40.5083, 93.6850)
contains.

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Color

**XYZ(40.4047, 40.5083,
93.6850)**

Conversions

Conversions Part 1

Format	Color
Hex	81ABF7
RGB	129, 171, 247
RGB Percent	51%, 67%, 97%
CMY	0.4941, 0.3294, 0.0314
CMYK	0.48, 0.31, 0.00, 0.03
HSL	219°, 88%, 74%
HSV	219°, 48%, 97%
XYZ	40.4047, 40.5083, 93.6850
YIQ	167.1060, -49.4280, 14.7320

Conversions

Conversions Part 2

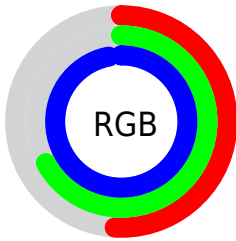
Format	Color
R _Y B	129, 160, 247
Decimal	8498167
CIE Lab	69.83, 6.00, -42.24
CIE LCh	70, 42.665, 278.080
Yxy	40.5083, 0.2314, 0.2320
Android (android.graphics.Color)	4286688247 (0xFF81ABF7)
YUV	167.1060, 39.3877, -33.4190
Hunter-Lab	63.6461, 1.9371, -42.7206

Details

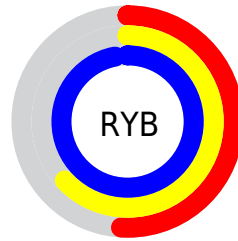
The XYZ color **40.4047, 40.5083, 93.6850** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **64.1533, 65.0242, 29.9406**, and the grayscale version is **36.6149, 38.5218, 41.9502**.

A 20% lighter version of the original color is **65.7399, 72.1775, 105.0745**, and **18.4169, 18.2134, 51.2601** is the 20% darker color. If you saturate the color by 10%, you get **34.2700, 33.1507, 92.5889**, and if you desaturate by 10%, it is **47.8107, 49.0597, 94.9460**.

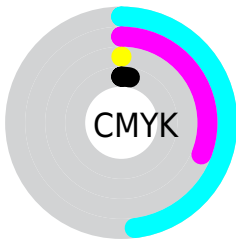
Distribution



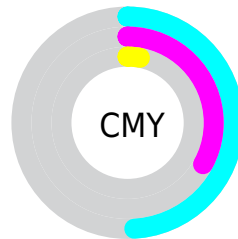
- Red (51%)
- Green (67%)
- Blue (97%)



- Red (51%)
- Yellow (63%)
- Blue (97%)



- Cyan (48%)
- Magenta (31%)
- Yellow (0%)
- Black (3%)



- Cyan (49%)
- Magenta (33%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4047, 40.5083, 93.6850 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 40.4047, 40.5083, 93.6850 by changing the saturation by 10% instead.

■ 40.4047, 40.5083,
93.6850

■ 40.4047, 40.5083,
93.6850

338.9316,
348.2613, 560.8230

■ 28.0398, 27.9351,
70.4502

■ 75.0598, 75.9369,
154.4265

■ 18.4963, 18.2767,
51.4145

■ 98.0808, 99.5611,
192.7703

■ 11.4087, 11.1488,
36.1596

■ 125.3845,
127.6377, 236.9875

■ 6.4118, 6.1670,
24.2668

157.3363,
160.5512, 287.4965

■ 3.1401, 2.9469,
15.3176

194.3015,
198.6859, 344.7161

■ 1.2283, 1.1041,
8.8935

236.6456,

■ 0.1285, 0.0000,

242.4262, 409.0647

4.5759

284.7339,
292.1566, 480.9608

■ 0.0000, 0.0000,
1.9463

■ 0.0000, 0.0000,
0.5220

■ 40.4047, 40.5083,
93.6850

■ 40.4047, 40.5083,
93.6850

■ 34.2700, 33.1507,
92.5889

■ 47.8107, 49.0597,
94.9460

■ 29.3231, 26.9226,
91.6475

■ 56.5555, 58.8555,
96.3759

■ 25.4762, 21.7594,
90.8537

■ 66.7071, 69.9487,
97.9821

■ 22.6261, 17.5866,
90.1985

■ 78.3269, 82.3873,
99.7705

■ 20.6379, 14.3117,
89.6711

■ 91.4729, 96.2171,
101.7471

■ 20.2712, 13.6805,
89.5686

■ 93.7886, 99.4955,
102.2578

Harmonies

Analogous

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



33.7401, 40.5083, 89.8082



40.4047, 40.5083, 93.6850



47.3158, 40.5083, 81.4667

Triad

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



40.4047, 40.5083, 93.6850



49.9680, 40.5083, 24.5135



27.4192, 40.5083, 31.3428

Complementary

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



40.4047, 40.5083, 93.6850



64.1533, 65.0242, 29.9406

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.



30.8568, 40.5083, 20.3767



40.4047, 40.5083, 93.6850



43.6919, 40.5083, 17.3373

Square

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



40.4047, 40.5083, 93.6850



53.2536, 40.5083, 38.9590



36.6598, 40.5083, 16.0917



26.7620, 40.5083, 49.6889

Rectangle

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



40.4047, 40.5083, 93.6850



50.9512, 40.5083, 67.5088



36.6598, 40.5083, 16.0917



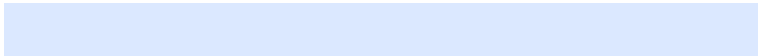
28.2661, 40.5083, 26.8543

Sweetspot

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



40.4062, 40.5098, 93.6860



76.2121, 80.0434, 106.0409



53.1826, 75.5367, 68.7379



15.7520, 16.5298, 22.6103



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.



40.4062, 40.5098, 93.6860



37.2488, 36.1363, 99.6195



36.2707, 28.4135, 91.5691



16.0638, 16.8918, 20.9564



10.8420, 7.4777, 47.4099



1.0462, 0.8439, 4.1980

Inverse Universe

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



53.5600, 38.4167, 43.1215



53.2451, 34.9232, 37.8299



70.2655, 85.1408, 33.5014



16.7428, 16.5800, 18.3920



21.2770, 10.8543, 6.1673



1.9172, 0.9728, 0.7901

Previews

White Background



This preview shows how the XYZ color 40.4047, 40.5083, 93.6850 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 40.4047, 40.5083, 93.6850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

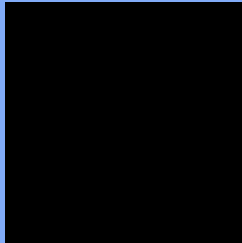
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

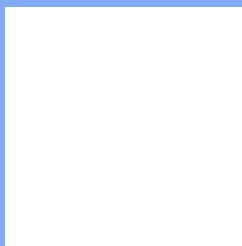
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4047, 40.5083, 93.6850

Background



This preview shows how black text looks on a background with the XYZ color 40.4047, 40.5083, 93.6850.



This preview shows how white text looks on a background with the XYZ color 40.4047, 40.5083,

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

40.4047, 40.5083, 93.6850

Protanopia

41.8249, 40.1888, 91.1408

Deuteranopia

41.6125, 40.5565, 94.4419



Tritanopia

33.2977, 40.5440, 58.2953

Trichromacy



Original Color

40.4047, 40.5083, 93.6850

Protanomaly

41.1315, 40.0868, 91.9559

Deuteranomaly

41.3097, 40.6777, 94.4813

Tritanomaly

35.5956, 40.2725, 70.1873

Monochromacy



Original Color

40.4047, 40.5083, 93.6850

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.1033, 38.7631, 57.7510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4047, 40.5083, 93.6850 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(129, 171, 247)` looks like.

```
.text, #text, p{  
    color:rgb(129, 171, 247)  
}
```

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(129, 171, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 171, 247) }
```

Border

The CSS property to change the border of an element to XYZ 40.4047, 40.5083, 93.6850 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(129, 171, 247) }
```


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

```
.border{ border-color:rgb(129, 171, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 171, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 171, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 171, 247);  
box-shadow:4px 4px 4px 4px rgb(129, 171,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4047, 40.5083, 93.6850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 171, 247) }
```

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

```
.background{ background-color: rgb(129,  
171, 247) }
```

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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