

Converting Colors

XYZ(41.6003, 46.1864,
101.3300)

Have a look what the booklet for
XYZ(41.6003, 46.1864, 101.3300)
contains.

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Color

**XYZ(41.5127, 46.0112,
101.3008)**

Conversions

Conversions Part 1

Format	Color
Hex	66BCFF
RGB	102, 188, 255
RGB Percent	40%, 74%, 100%
CMY	0.6000, 0.2627, 0.0000
CMYK	0.60, 0.26, 0.00, 0.00
HSL	206°, 100%, 70%
HSV	206°, 60%, 100%
XYZ	41.5127, 46.0112, 101.3008
YIQ	169.9240, -72.7630, 2.6050

Conversions

Conversions Part 2

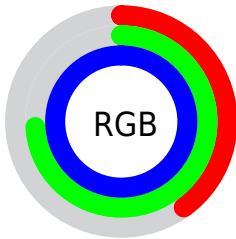
Format	Color
RYB	102, 157, 255
Decimal	6733055
CIELab	73.55, -6.64, -40.84
CIELCh	74, 41.381, 260.761
Yxy	46.0112, 0.2198, 0.2437
Android (android.graphics.Color)	4284923135 (0xFF66BCFF)
YUV	169.9240, 41.9425, -59.5693
Hunter-Lab	67.8316, -9.4638, -41.0626

Details

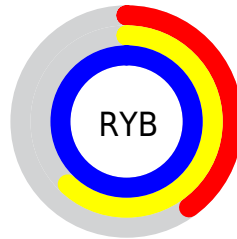
The XYZ color **41.5127, 46.0112, 101.3008** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.8277, 50.5975, 19.2909**, and the grayscale version is **37.9960, 39.9748, 43.5325**.

A 20% lighter version of the original color is **65.7105, 79.8139, 106.5500**, and **19.1663, 21.5646, 56.5783** is the 20% darker color. If you saturate the color by 10%, you get **36.7607, 40.1568, 100.4213**, and if you desaturate by 10%, it is **47.3407, 52.6960, 102.2840**.

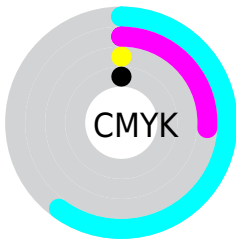
Distribution



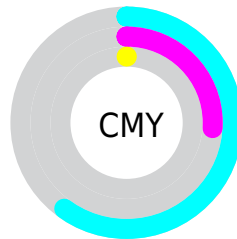
- Red (40%)
- Green (74%)
- Blue (100%)



- Red (40%)
- Yellow (62%)
- Blue (100%)



- Cyan (60%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5127, 46.0112, 101.3008 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 41.5127, 46.0112, 101.3008 by changing the saturation by 10% instead.

■ 41.5127, 46.0112,
101.3008

■ 41.5127, 46.0112,
101.3008

343.4850,
370.8537, 585.6374

■ 28.9094, 32.2547,
76.7644

■ 76.7314, 84.2358,
165.0111

■ 19.1562, 21.5561,
56.5491

■ 100.0774,
109.4726, 205.0220

■ 11.8879, 13.5311,
40.2364

■ 127.7351,
139.3049, 251.0283

■ 6.7390, 7.7953,
27.4077

160.0697,
174.1172, 303.4483

■ 3.3443, 3.9642,
17.6445

197.4467,
214.2938, 362.7007

■ 1.3383, 1.6536,
10.5283

240.2313,

■ 0.2116, 0.3933,

260.2192, 429.2040

5.6405

288.7889,
312.2777, 503.3767

■ 0.0000, 0.0000,
2.5625

■ 0.0000, 0.0000,
0.8730

■ 41.5127, 46.0112,
101.3008

■ 41.5127, 46.0112,
101.3008

■ 36.7607, 40.1568,
100.4213

■ 47.3407, 52.6960,
102.2840

■ 32.9917, 35.0762,
99.6393

■ 54.3181, 60.2525,
103.3748

■ 30.1022, 30.7104,
98.9489

■ 62.5164, 68.7241,
104.5779

■ 27.9229, 26.9657,
98.3410

■ 71.9996, 78.1496,
105.8973

■ 27.9223, 26.9646,
98.3408

■ 82.8270, 88.5649,
107.3370

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.



35.4251, 46.0112, 88.2199



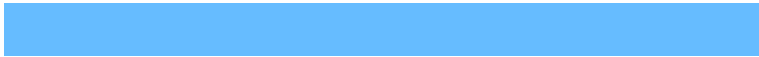
41.5127, 46.0112, 101.3008



48.9096, 46.0112, 97.9909

Triad

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



41.5127, 46.0112, 101.3008



58.2462, 46.0112, 37.1338



33.7184, 46.0112, 28.6941

Complementary

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



41.5127, 46.0112, 101.3008



57.8277, 50.5975, 19.2909

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.



38.9338, 46.0112, 21.0840



41.5127, 46.0112, 101.3008



53.2460, 46.0112, 24.9285

Square

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



41.5127, 46.0112, 101.3008



59.1353, 46.0112, 56.8480



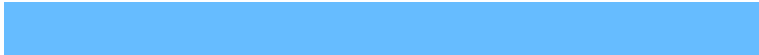
46.0296, 46.0112, 19.9304



31.2671, 46.0112, 43.9053

Rectangle

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



41.5127, 46.0112, 101.3008



53.5729, 46.0112, 87.2212



46.0296, 46.0112, 19.9304



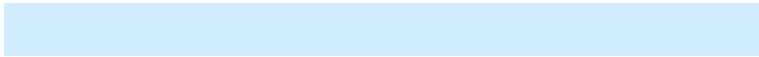
35.1771, 46.0112, 25.3627

Sweetspot

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



41.5142, 46.0128, 101.3011



74.0524, 80.1491, 106.1751



48.3367, 77.1838, 49.5451



15.2138, 16.5343, 22.6395



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.



41.5142, 46.0128, 101.3011



35.9300, 39.0787, 100.2570



29.3475, 21.6795, 97.2455



17.8501, 19.0719, 22.9904



14.7414, 14.3923, 51.4356



1.5441, 1.6190, 5.0444

Inverse Universe

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



55.0695, 34.3953, 51.3148



51.2173, 28.8969, 43.2293



76.2308, 87.4037, 25.4253



18.4370, 18.1581, 20.9184



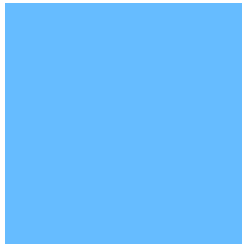
24.2290, 12.1809, 15.1220



2.4140, 1.2080, 1.7616

Previews

White Background



This preview shows how the XYZ color 41.5127, 46.0112, 101.3008 looks on a white background.

Color Contrast Check

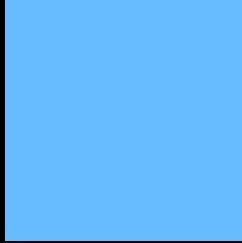
Large Text (above 18pt) WCAG AA × Fail

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 41.5127, 46.0112, 101.3008 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

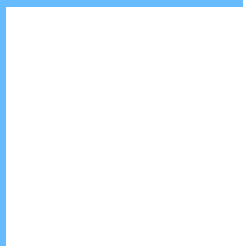
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5127, 46.0112, 101.3008

Background



This preview shows how black text looks on a background with the XYZ color 41.5127, 46.0112, 101.3008.



This preview shows how white text looks on a background with the XYZ color 41.5127, 46.0112,

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

41.5127, 46.0112, 101.3008

Protanopia

46.8087, 45.5306, 94.3169

Deuteranopia

46.7329, 45.6401, 100.9541



Tritanopia

35.1909, 46.0723, 69.3254

Trichromacy



Original Color

41.5127, 46.0112, 101.3008

Protanomaly

44.2604, 45.3531, 96.8637

Deuteranomaly

44.4508, 45.6624, 101.0787

Tritanomaly

37.2900, 45.9150, 80.2959

Monochromacy



Original Color

41.5127, 46.0112, 101.3008

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.9418, 41.6811, 61.3038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5127, 46.0112, 101.3008 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(102, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 188, 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(102, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.5127, 46.0112, 101.3008 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(102, 188, 255) }
```


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

```
.border{ border-color:rgb(102, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5127, 46.0112, 101.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 188, 255) }
```

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

```
.background{ background-color: rgb(102,  
188, 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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