

Converting Colors

XYZ(41.3685, 45.6990, 98.7166)

Have a look what the booklet for
XYZ(41.3685, 45.6990, 98.7166)
contains.

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Color

**XYZ(41.4044, 45.6947,
98.7332)**

Conversions

Conversions Part 1

Format	Color
Hex	6BBBFC
RGB	107, 187, 252
RGB Percent	42%, 73%, 99%
CMY	0.5804, 0.2667, 0.0118
CMYK	0.58, 0.26, 0.00, 0.01
HSL	207°, 96%, 70%
HSV	207°, 58%, 99%
XYZ	41.4044, 45.6947, 98.7332
YIQ	170.4900, -68.5450, 3.2550

Conversions

Conversions Part 2

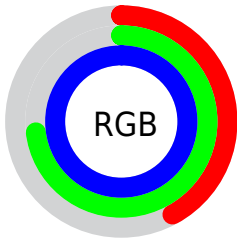
Format	Color
R _Y B	107, 159, 252
Decimal	7060476
CIE Lab	73.35, -6.09, -39.54
CIE LCh	73, 40.001, 261.247
Yxy	45.6947, 0.2228, 0.2459
Android (android.graphics.Color)	4285250556 (0xFF6BBBFC)
YUV	170.4900, 40.1844, -55.6807
Hunter-Lab	67.5979, -8.9631, -39.2803

Details

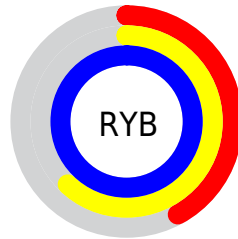
The XYZ color **41.4044, 45.6947, 98.7332** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.5531, 51.2646, 20.7736**, and the grayscale version is **38.2847, 40.2785, 43.8632**.

A 20% lighter version of the original color is **66.0369, 79.5367, 106.4793**, and **19.0686, 21.3476, 54.7452** is the 20% darker color. If you saturate the color by 10%, you get **36.5015, 39.7489, 97.8449**, and if you desaturate by 10%, it is **47.3816, 52.4758, 99.7279**.

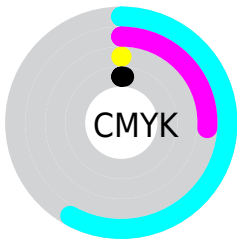
Distribution



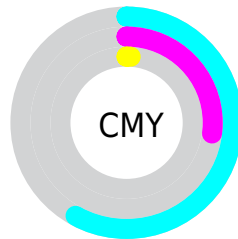
- Red (42%)
- Green (73%)
- Blue (99%)



- Red (42%)
- Yellow (62%)
- Blue (99%)



- Cyan (58%)
- Magenta (26%)
- Yellow (0%)
- Black (1%)



- Cyan (58%)
- Magenta (27%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4044, 45.6947, 98.7332 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 41.4044, 45.6947, 98.7332 by changing the saturation by 10% instead.

■ 41.4044, 45.6947,
98.7332

■ 41.4044, 45.6947,
98.7332

343.0418,
369.5799, 577.3355

■ 28.8243, 32.0050,
74.6320

■ 76.5682, 83.7619,
161.4519

■ 19.0915, 21.3653,
54.8116

■ 99.8827, 108.9082,
200.9065

■ 11.8408, 13.3913,
38.8533

■ 127.5059,
138.6421, 246.3159

■ 6.7068, 7.6985,
26.3387

159.8033,
173.3480, 298.0988

■ 3.3241, 3.9027,
16.8491

197.1403,
213.4103, 356.6737

■ 1.3274, 1.6193,
9.9662

239.8821,

■ 0.2036, 0.3705,

259.2135, 422.4591

5.2712

288.3941,
311.1419, 495.8735

■ 0.0000, 0.0000,
2.3458

■ 0.0000, 0.0000,
0.7567

■ 41.4044, 45.6947,
98.7332

■ 41.4044, 45.6947,
98.7332

■ 36.5015, 39.7489,
97.8449

■ 47.3816, 52.4758,
99.7279

■ 32.5846, 34.5842,
97.0544

■ 54.5021, 60.1315,
100.8304

■ 29.5579, 30.1452,
96.3571

■ 62.8343, 68.7040,
102.0459

■ 27.2941, 26.3595,
95.7457

■ 72.4393, 78.2306,
103.3784

■ 26.8082, 25.5031,
95.6060

■ 83.3741, 88.7462,
104.8318

94.5018, 99.6703,
106.3539

94.5709, 99.8083,
106.3769

Harmonies

Analogous

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



35.4989, 45.6947, 86.5137



41.4044, 45.6947, 98.7332



48.5227, 45.6947, 95.3256

Triad

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



41.4044, 45.6947, 98.7332



57.3053, 45.6947, 36.9883



33.7092, 45.6947, 29.2222

Complementary

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



41.4044, 45.6947, 98.7332



57.5531, 51.2646, 20.7736

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.



38.7094, 45.6947, 21.6672



41.4044, 45.6947, 98.7332



52.4655, 45.6947, 25.2355

Square

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



41.4044, 45.6947, 98.7332



58.2273, 45.6947, 55.8879



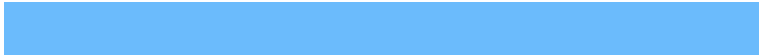
45.5236, 45.6947, 20.4369



31.3818, 45.6947, 44.0857

Rectangle

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



41.4044, 45.6947, 98.7332



52.9790, 45.6947, 84.9550



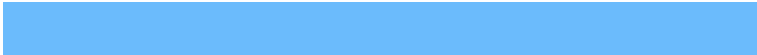
45.5236, 45.6947, 20.4369



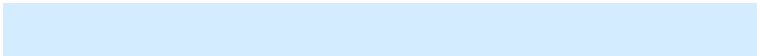
35.1059, 45.6947, 25.9315

Sweetspot

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



41.4060, 45.6963, 98.7343



74.9715, 80.9069, 106.2729



48.1154, 75.6439, 50.0147



15.5963, 16.8768, 22.6855



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.



41.4060, 45.6963, 98.7343



36.8283, 39.9839, 100.3843



29.9584, 22.8012, 94.9185



17.0770, 18.2309, 22.0041



14.1140, 13.5836, 49.8516



1.4130, 1.4697, 4.6524

Inverse Universe

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



54.3736, 34.8005, 50.8665



51.8884, 29.9987, 44.1943



74.6514, 85.4611, 26.4730



17.6454, 17.3855, 19.9885



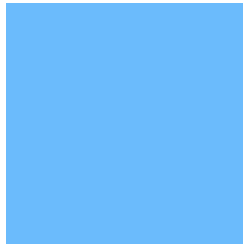
23.4161, 11.7822, 14.1657



2.2222, 1.1126, 1.5933

Previews

White Background



This preview shows how the XYZ color 41.4044, 45.6947, 98.7332 looks on a white background.

Color Contrast Check

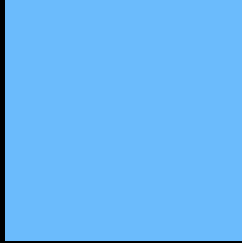
Large Text (above 18pt) WCAG AA × Fail

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 41.4044, 45.6947, 98.7332 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

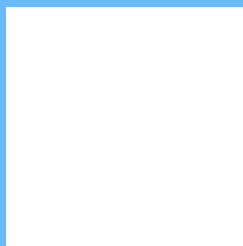
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.4044, 45.6947, 98.7332

Background



This preview shows how black text looks on a background with the XYZ color 41.4044, 45.6947, 98.7332.

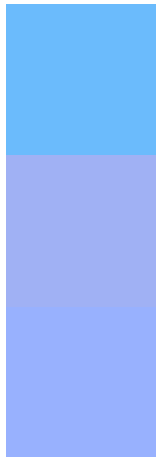


This preview shows how white text looks on a background with the XYZ color 41.4044, 45.6947,

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

41.4044, 45.6947, 98.7332

Protanopia

46.5485, 45.4495, 91.9072

Deuteranopia

46.5604, 45.2754, 100.0510



Tritanopia

35.3644, 45.8570, 67.9602

Trichromacy



Original Color

41.4044, 45.6947, 98.7332

Protanomaly

44.2969, 45.4259, 94.4291

Deuteranomaly

44.4068, 45.3738, 99.3460

Tritanomaly

37.2641, 45.6223, 78.0761

Monochromacy



Original Color

41.4044, 45.6947, 98.7332

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.9833, 41.4238, 60.6372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4044, 45.6947, 98.7332 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(107, 187, 252)` looks like.

```
.text, #text, p{  
    color:rgb(107, 187, 252)  
}
```

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(107, 187, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 187, 252) }
```

Border

The CSS property to change the border of an element to XYZ 41.4044, 45.6947, 98.7332 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(107, 187, 252) }
```


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

```
.border{ border-color:rgb(107, 187, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 187, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 187, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 187, 252);  
box-shadow:4px 4px 4px 4px rgb(107, 187,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4044, 45.6947, 98.7332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 187, 252) }
```

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

```
.background{ background-color: rgb(107,  
187, 252) }
```

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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