

Converting Colors

XYZ(46.2031, 45.6632,
100.9681)

Have a look what the booklet for
XYZ(46.2031, 45.6632, 100.9681)
contains.

XYZ(46.2027, 45.6632, 100.9865)	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(46.2027, 45.6632,
100.9865)**

Conversions

Conversions Part 1

Format	Color
Hex	93B3FF
RGB	147, 179, 255
RGB Percent	58%, 70%, 100%
CMY	0.4235, 0.2980, 0.0000
CMYK	0.42, 0.30, 0.00, 0.00
HSL	222°, 100%, 79%
HSV	222°, 42%, 100%
XYZ	46.2027, 45.6632, 100.9865
YIQ	178.0960, -43.4680, 16.8520

Conversions

Conversions Part 2

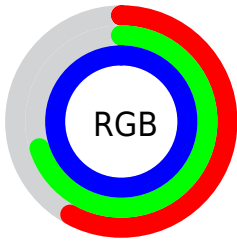
Format	Color
RYB	147, 172, 255
Decimal	9679871
CIELab	73.33, 8.11, -41.03
CIELCh	73, 41.826, 281.182
Yxy	45.6632, 0.2396, 0.2368
Android (android.graphics.Color)	4287869951 (0xFF93B3FF)
YUV	178.0960, 37.9137, -27.2712
Hunter-Lab	67.5746, 3.7902, -41.3035

Details

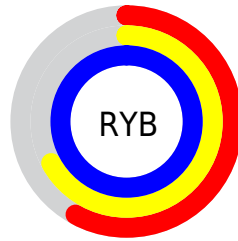
The XYZ color **46.2027, 45.6632, 100.9865** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **72.8950, 76.1431, 38.4608**, and the grayscale version is **42.1912, 44.3884, 48.3390**.

A 20% lighter version of the original color is **72.6602, 79.4740, 106.1182**, and **22.0968, 21.4801, 56.4075** is the 20% darker color. If you saturate the color by 10%, you get **38.7611, 36.8316, 99.6740**, and if you desaturate by 10%, it is **55.1286, 55.9565, 102.5028**.

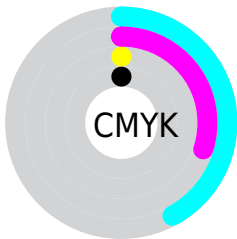
Distribution



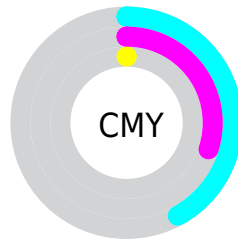
- Red (58%)
- Green (70%)
- Blue (100%)



- Red (58%)
- Yellow (67%)
- Blue (100%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2027, 45.6632, 100.9865 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 46.2027, 45.6632, 100.9865 by changing the saturation by 10% instead.

■ 46.2027, 45.6632,
100.9865

■ 46.2027, 45.6632,
100.9865

362.3253,
369.4529, 584.6245

■ 32.6111, 31.9801,
76.5032

■ 83.7483, 83.7147,
164.5759

■ 21.9865, 21.3463,
56.3361

■ 108.4330,
108.8520, 204.5190

■ 13.9635, 13.3774,
40.0667

137.5461,
138.5760, 250.4526

■ 8.1768, 7.6889,
27.2763

171.4530,
173.2714, 302.7950

■ 4.2611, 3.8966,
17.5466

210.5190,
213.3223, 361.9649

■ 1.8509, 1.6159,
10.4589

255.1094,

■ 0.5480, 0.3683,

259.1133, 428.3807

5.5947

305.5898,
311.0287, 502.4611

■ 0.0000, 0.0000,
2.5355

■ 0.0000, 0.0000,
0.8589

■ 46.2027, 45.6632,
100.9865

■ 46.2027, 45.6632,
100.9865

■ 38.7611, 36.8316,
99.6740

■ 55.1286, 55.9565,
102.5028

■ 32.7139, 29.3861,
98.5556

■ 65.6129, 67.7723,
104.2309

■ 27.9674, 23.2510,
97.6216

■ 77.7298, 81.1736,
106.1790

■ 24.4135, 18.3403,
96.8610

■ 91.5474, 96.2183,
108.3547

■ 21.9242, 14.5550,
96.2616

95.0500, 100.0000,
108.9000

■ 20.6038, 12.3277,
95.9013

Harmonies

Analogous

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



38.9971, 45.6632, 98.7638



46.2027, 45.6632, 100.9865



53.3970, 45.6632, 86.8629

Triad

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



46.2027, 45.6632, 100.9865



54.9409, 45.6632, 27.5319



31.3427, 45.6632, 37.7643

Complementary

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



46.2027, 45.6632, 100.9865



72.8950, 76.1431, 38.4608

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.



34.7384, 45.6632, 25.0390



46.2027, 45.6632, 100.9865



48.1256, 45.6632, 20.3884

Square

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



46.2027, 45.6632, 100.9865



58.8086, 45.6632, 42.2702



40.7159, 45.6632, 19.6274



30.9519, 45.6632, 57.9962

Rectangle

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



46.2027, 45.6632, 100.9865



57.0111, 45.6632, 71.9132



40.7159, 45.6632, 19.6274



32.1509, 45.6632, 32.6380

Sweetspot

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



46.2041, 45.6648, 100.9867



76.8927, 80.2547, 106.0458



61.0591, 83.0297, 82.3388



15.8601, 16.5199, 22.6027



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.



46.2041, 45.6648, 100.9867



39.6832, 37.9424, 99.8398



44.7618, 36.4802, 99.2899



17.4416, 18.2548, 22.8542



10.8782, 6.6659, 50.1479



1.1493, 0.8293, 4.9128

Inverse Universe

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



59.8114, 45.3837, 48.2569



55.2215, 38.5763, 39.4130



74.7622, 91.0179, 41.2335



18.2308, 18.0756, 19.8325



22.2790, 11.4009, 4.8537



2.2147, 1.1283, 0.7122

Previews

White Background



This preview shows how the XYZ color 46.2027, 45.6632, 100.9865 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 46.2027, 45.6632, 100.9865 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 46.2027, 45.6632, 100.9865

Background



This preview shows how black text looks on a background with the XYZ color 46.2027, 45.6632, 100.9865.



This preview shows how white text looks on a background with the XYZ color 46.2027, 45.6632,

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

46.2027, 45.6632, 100.9865

Protanopia

47.1621, 45.6040, 99.2453

Deuteranopia

46.9193, 45.7362, 100.9628



Tritanopia

38.7695, 45.7414, 63.9123

Trichromacy



Original Color

46.2027, 45.6632, 100.9865

Protanomaly

46.9467, 45.7689, 100.1258

Deuteranomaly

46.5481, 45.5448, 100.9454

Tritanomaly

41.1495, 45.4289, 76.4119

Monochromacy



Original Color

46.2027, 45.6632, 100.9865

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.9973, 44.5125, 64.7181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2027, 45.6632, 100.9865 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(147, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 179, 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(147, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 179, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.2027, 45.6632, 100.9865 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(147, 179, 255) }
```


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

```
.border{ border-color:rgb(147, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 179,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2027, 45.6632, 100.9865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 179, 255) }
```

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

```
.background{ background-color: rgb(147,  
179, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor