

Converting Colors

XYZ(42.6507, 47.0614, 66.6636)

Have a look what the booklet for
XYZ(42.6507, 47.0614, 66.6636)
contains.

XYZ(42.6731, 47.0633, 66.5095)	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(42.6731, 47.0633,
66.5095)**

Conversions

Conversions Part 1

Format	Color
Hex	9BBBD0
RGB	155, 187, 208
RGB Percent	61%, 73%, 82%
CMY	0.3921, 0.2667, 0.1843
CMYK	0.25, 0.10, 0.00, 0.18
HSL	204°, 36%, 71%
HSV	204°, 25%, 82%
XYZ	42.6731, 47.0633, 66.5095
YIQ	179.8260, -25.8130, -0.2530

Conversions

Conversions Part 2

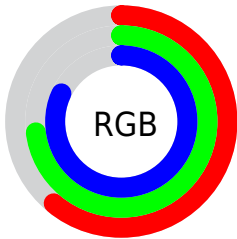
Format	Color
RYB	155, 175, 208
Decimal	10206160
CIELab	74.23, -6.06, -14.13
CIElCh	74, 15.372, 246.776
Yxy	47.0633, 0.2731, 0.3012
Android (android.graphics.Color)	4288396240 (0xFF9BBBD0)
YUV	179.8260, 13.8898, -21.7724
Hunter-Lab	68.6027, -9.0219, -9.4591

Details

The XYZ color **42.6731, 47.0633, 66.5095** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.4548, 46.8275, 37.5490**, and the grayscale version is **43.2281, 45.4793, 49.5270**.

A 20% lighter version of the original color is **76.6789, 85.0228, 106.9774**, and **19.9514, 22.2669, 33.8182** is the 20% darker color. If you saturate the color by 10%, you get **37.3218, 41.7844, 65.7734**, and if you desaturate by 10%, it is **48.8152, 52.9012, 67.3134**.

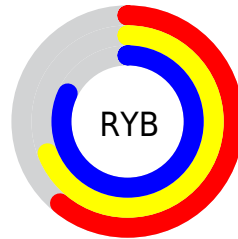
Distribution



Red (61%)

Green (73%)

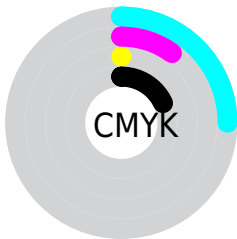
Blue (82%)



Red (61%)

Yellow (69%)

Blue (82%)

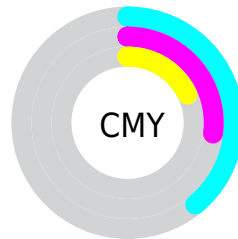


Cyan (25%)

Magenta (10%)

Yellow (0%)

Black (18%)



Cyan (39%)

Magenta (27%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6731, 47.0633, 66.5095 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 42.6731, 47.0633, 66.5095 by changing the saturation by 10% instead.

■ 42.6731, 47.0633,
66.5095

■ 42.6731, 47.0633,
66.5095

348.2100,
375.0671, 466.6507

■ 29.8221, 33.0857,
48.2270

■ 78.4761, 85.8081,
115.8513

■ 19.8510, 22.1921,
33.6454

■ 102.1589,
111.3441, 147.7476

■ 12.3944, 13.9981,
22.3462

130.1829,
141.5017, 185.0190

■ 7.0870, 8.1194,
13.9108

162.9136,
176.6652, 228.0840

■ 3.5634, 4.1714,
7.9206

200.7163,
217.2192, 277.3612

■ 1.4582, 1.7699,
3.9571

243.9564,

■ 0.2971, 0.4683,

263.5479, 333.2689

1.6019

292.9991,
316.0357, 396.2259

■ 0.0000, 0.0000,
0.2921

■ 0.0000, 0.0000,
0.0000

■ 42.6731, 47.0633,
66.5095

■ 42.6731, 47.0633,
66.5095

■ 37.3218, 41.7844,
65.7734

■ 48.8152, 52.9012,
67.3134

■ 32.7201, 37.0372,
65.0996

■ 55.7782, 59.3124,
68.1839

■ 28.8293, 32.8005,
64.4869

■ 63.5957, 66.3179,
69.1240

■ 25.6054, 29.0488,
63.9327

■ 72.2980, 73.9355,
70.1357

■ 22.9987, 25.7541,
63.4341

■ 80.4259, 81.4153,
71.1511

■ 20.9520, 22.8838,
62.9880

■ 82.7501, 86.0637,
71.9258

■ 19.3952, 20.3992,
62.5905

■ 85.1838, 90.9311,
72.7371

■ 18.7942, 19.3720,
62.4239

■ 87.7285, 96.0206,
73.5853

■ 88.3853, 97.3341,
73.8042

Harmonies

Analogous

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



40.6168, 47.0633, 60.8868



42.6731, 47.0633, 66.5095



45.3610, 47.0633, 67.8569

Triad

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



42.6731, 47.0633, 66.5095



50.2087, 47.0633, 49.4726



41.6313, 47.0633, 40.0141

Complementary

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



42.6731, 47.0633, 66.5095



47.4548, 46.8275, 37.5490

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.



44.1094, 47.0633, 37.5912



42.6731, 47.0633, 66.5095



49.1167, 47.0633, 42.6770

Square

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



42.6731, 47.0633, 66.5095



49.7857, 47.0633, 57.4705



46.8566, 47.0633, 38.5136



40.0329, 47.0633, 45.4842

Rectangle

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



42.6731, 47.0633, 66.5095



47.1645, 47.0633, 66.0373



46.8566, 47.0633, 38.5136



42.3851, 47.0633, 38.8434

Sweetspot

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



42.6745, 47.0652, 66.5106



85.4146, 91.2854, 107.7257



43.8435, 55.1889, 49.0635



17.9156, 19.2028, 23.0122



0.0000, 0.0000, 0.0000



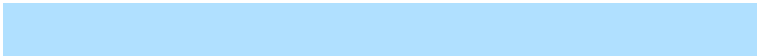
20.3446, 21.4041, 23.3091

Same Dimension

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



42.6745, 47.0652, 66.5106



62.5132, 69.5844, 104.7441



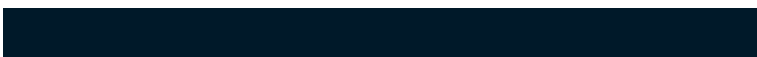
37.6808, 37.0777, 64.8460



11.7490, 12.5882, 15.0542



11.8101, 12.2668, 38.9378



0.7366, 0.8385, 2.2026

Inverse Universe

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



46.7046, 40.4417, 52.3602



70.1669, 57.6556, 77.7250



53.0072, 57.9324, 39.3999



12.1042, 11.9264, 13.8244



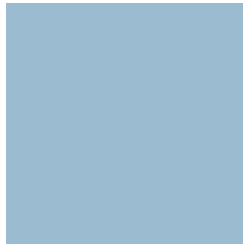
18.5919, 9.3096, 13.2891



1.0781, 0.5359, 0.9458

Previews

White Background



This preview shows how the XYZ color 42.6731, 47.0633, 66.5095 looks on a white background.

Color Contrast Check

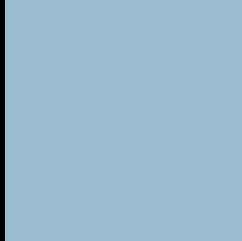
Large Text (above 18pt) WCAG AA × Fail

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 42.6731, 47.0633, 66.5095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

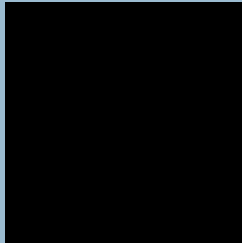
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6731, 47.0633, 66.5095

Background



This preview shows how black text looks on a background with the XYZ color 42.6731, 47.0633, 66.5095.



This preview shows how white text looks on a background with the XYZ color 42.6731, 47.0633,

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

42.6731, 47.0633, 66.5095

Protanopia

46.0134, 46.9911, 63.7718

Deuteranopia

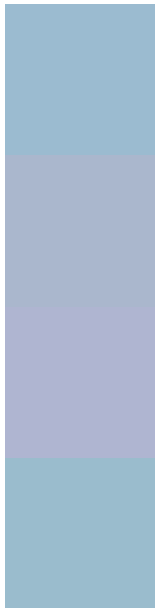
48.0468, 47.0587, 67.5237



Tritanopia

42.0891, 47.1483, 63.3821

Trichromacy



Original Color

42.6731, 47.0633, 66.5095

Protanomaly

44.5305, 46.8208, 64.4479

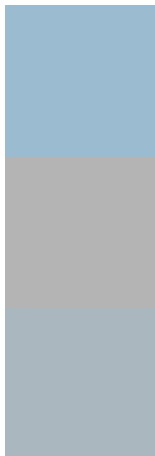
Deuteranomaly

45.7117, 46.7652, 66.9389

Tritanomaly

42.3291, 47.2442, 64.6457

Monochromacy



Original Color

42.6731, 47.0633, 66.5095

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.0223, 46.2426, 55.3734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6731, 47.0633, 66.5095 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(155, 187, 208)` looks like.

```
.text, #text, p{  
    color:rgb(155, 187, 208)  
}
```

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(155, 187, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 187, 208) }
```

Border

The CSS property to change the border of an element to XYZ 42.6731, 47.0633, 66.5095 is called "border". The border property can be set on classes, ids or directly on the HTML element.

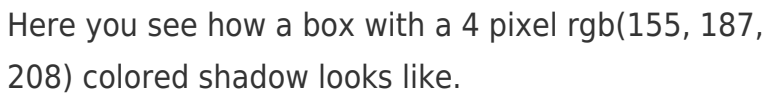
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 187, 208) }
```


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

```
.border{ border-color:rgb(155, 187, 208) }
```

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



Here you see how a box with a 4 pixel rgb(155, 187, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 187, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 187, 208);  
box-shadow:4px 4px 4px 4px rgb(155, 187,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6731, 47.0633, 66.5095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 187, 208) }
```

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

```
.background{ background-color: rgb(155,  
187, 208) }
```

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