

Converting Colors

XYZ(46.0961, 52.5890, 71.2858)

Have a look what the booklet for
XYZ(46.0961, 52.5890, 71.2858)
contains.

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Color

**XYZ(46.0786, 52.6704,
71.3561)**

Conversions

Conversions Part 1

Format	Color
Hex	9BC7D6
RGB	155, 199, 214
RGB Percent	61%, 78%, 84%
CMY	0.3921, 0.2196, 0.1608
CMYK	0.28, 0.07, 0.00, 0.16
HSL	195°, 42%, 72%
HSV	195°, 28%, 84%
XYZ	46.0786, 52.6704, 71.3561
YIQ	187.5540, -31.0390, -4.6630

Conversions

Conversions Part 2

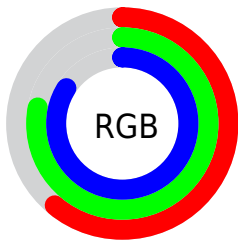
Format	Color
R_{YB}	155, 180, 214
Decimal	10209238
CIE _{Lab}	77.68, -11.01, -12.20
CIE _{LCh}	78, 16.434, 227.955
Yxy	52.6704, 0.2709, 0.3096
Android (android.graphics.Color)	4288399318 (0xFF9BC7D6)
YUV	187.5540, 13.0379, -28.5499
Hunter-Lab	72.5744, -13.6727, -7.4927

Details

The XYZ color **46.0786, 52.6704, 71.3561** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.0234, 45.4127, 37.2461**, and the grayscale version is **47.4895, 49.9626, 54.4093**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **21.8629, 25.5788, 36.5858** is the 20% darker color. If you saturate the color by 10%, you get **41.1009, 48.2805, 70.7720**, and if you desaturate by 10%, it is **51.8320, 57.5292, 71.9916**.

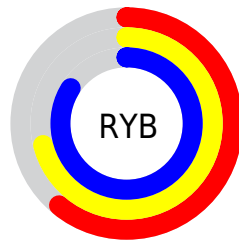
Distribution



Red (61%)

Green (78%)

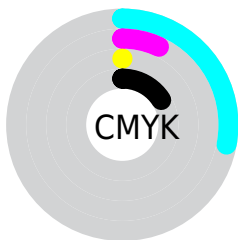
Blue (84%)



Red (61%)

Yellow (71%)

Blue (84%)

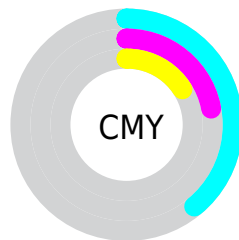


Cyan (28%)

Magenta (7%)

Yellow (0%)

Black (16%)



Cyan (39%)

Magenta (22%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0786, 52.6704, 71.3561 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 46.0786, 52.6704, 71.3561 by changing the saturation by 10% instead.

■ 46.0786, 52.6704,
71.3561

■ 46.0786, 52.6704,
71.3561

361.8352,
397.0193, 484.2145

■ 32.5127, 37.5397,
52.1492

■ 83.5638, 94.1192,
122.8398

■ 21.9109, 25.6256,
36.7410

■ 108.2138,
121.2061, 155.9538

■ 13.9077, 16.5438,
24.7128

137.2892,
153.0472, 194.5405

■ 8.1377, 9.9098,
15.6461

171.1554,
190.0268, 239.0185

■ 4.2358, 5.3392,
9.1225

210.1778,
232.5295, 289.8063

■ 1.8364, 2.4476,
4.7232

254.7216,

■ 0.5394, 0.8502,

280.9395, 347.3226

2.0299

305.1523,
335.6413, 411.9858

■ 0.0000, 0.0000,
0.5736

■ 0.0000, 0.0000,
0.0000

■ 46.0786, 52.6704,
71.3561

■ 46.0786, 52.6704,
71.3561

■ 41.1009, 48.2805,
70.7720

■ 51.8320, 57.5292,
71.9916

■ 36.8553, 44.3325,
70.2337

■ 58.3925, 62.8699,
72.6767

■ 33.3010, 40.8059,
69.7403

■ 65.7954, 68.7126,
73.4143

■ 30.3910, 37.6757,
69.2895

■ 74.0723, 75.0744,
74.2060

■ 28.0720, 34.9139,
68.8787

■ 80.6295, 80.6186,
74.9305

■ 26.2817, 32.4876,
68.5047

■ 82.1342, 83.6279,
75.4320

■ 24.9344, 30.3518,
68.1635

■ 83.6862, 86.7319,
75.9494

■ 24.6396, 29.8587,
68.0838

■ 85.2860, 89.9315,
76.4826

■ 86.9340, 93.2275,
77.0320

Harmonies

Analogous

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



44.4691, 52.6704, 62.9166



46.0786, 52.6704, 71.3561



48.7969, 52.6704, 76.2294

Triad

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



46.0786, 52.6704, 71.3561



56.2806, 52.6704, 61.0803



48.2009, 52.6704, 42.2559

Complementary

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



46.0786, 52.6704, 71.3561



48.0234, 45.4127, 37.2461

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.



51.3481, 52.6704, 41.8760



46.0786, 52.6704, 71.3561



56.1044, 52.6704, 52.1202

Square

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



46.0786, 52.6704, 71.3561



54.7394, 52.6704, 69.8899



54.2678, 52.6704, 45.3067



45.6582, 52.6704, 46.4061

Rectangle

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



46.0786, 52.6704, 71.3561



50.9123, 52.6704, 76.4920



54.2678, 52.6704, 45.3067



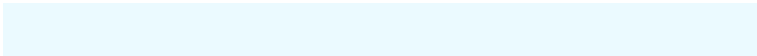
49.2205, 52.6704, 41.7003

Sweetspot

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



46.0802, 52.6725, 71.3573



86.3069, 93.0700, 108.0232



44.7973, 57.9556, 46.7331



18.1410, 19.6536, 23.0873



0.0000, 0.0000, 0.0000



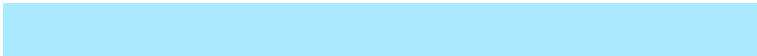
20.3446, 21.4041, 23.3091

Same Dimension

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



46.0802, 52.6725, 71.3573



64.1235, 74.4842, 105.6050



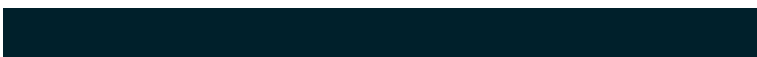
39.9843, 40.4807, 69.3253



12.5125, 13.5484, 15.8931



14.9800, 18.2218, 41.1808



0.9679, 1.2279, 2.5053

Inverse Universe

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



49.7630, 41.8637, 59.4928



70.5697, 56.2472, 84.6849



54.1300, 57.6258, 39.2816



12.8119, 12.5763, 14.9497



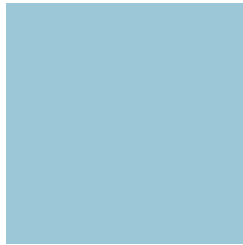
20.6201, 10.1844, 21.1012



1.2762, 0.6273, 1.4440

Previews

White Background



This preview shows how the XYZ color 46.0786, 52.6704, 71.3561 looks on a white background.

Color Contrast Check

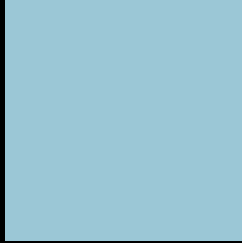
Large Text (above 18pt) WCAG AA × Fail

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 46.0786, 52.6704, 71.3561 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 46.0786, 52.6704, 71.3561

Background



This preview shows how black text looks on a background with the XYZ color 46.0786, 52.6704, 71.3561.



This preview shows how white text looks on a background with the XYZ color 46.0786, 52.6704,

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

46.0786, 52.6704, 71.3561

Protanopia

51.0338, 52.3281, 67.0851

Deuteranopia

53.3720, 52.1333, 72.8954



Tritanopia

46.2067, 52.7217, 72.0309

Trichromacy



Original Color

46.0786, 52.6704, 71.3561

Protanomaly

48.8343, 52.1402, 68.4630

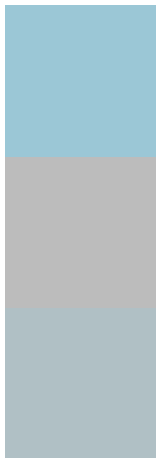
Deuteranomaly

50.3169, 52.1646, 72.3825

Tritanomaly

46.2067, 52.7217, 72.0309

Monochromacy



Original Color

46.0786, 52.6704, 71.3561

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.8322, 50.9606, 60.1914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0786, 52.6704, 71.3561 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, 199, 214)` looks like.

```
.text, #text, p{  
    color:rgb(155, 199, 214)  
}
```

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, 199, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 199, 214) }
```

Border

The CSS property to change the border of an element to XYZ 46.0786, 52.6704, 71.3561 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, 199, 214) }
```


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

```
.border{ border-color:rgb(155, 199, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 199, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 199, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 199, 214);  
box-shadow:4px 4px 4px 4px rgb(155, 199,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0786, 52.6704, 71.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 199, 214) }
```

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

```
.background{ background-color: rgb(155,  
199, 214) }
```

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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