

Converting Colors

XYZ(47.7255, 54.4897, 76.6358)

Have a look what the booklet for
XYZ(47.7255, 54.4897, 76.6358)
contains.

XYZ(47.6892, 54.4301, 76.3992)	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(47.6892, 54.4301,
76.3992)**

Conversions

Conversions Part 1

Format	Color
Hex	9BCADD
RGB	155, 202, 221
RGB Percent	61%, 79%, 87%
CMY	0.3921, 0.2078, 0.1333
CMYK	0.30, 0.09, 0.00, 0.13
HSL	197°, 49%, 74%
HSV	197°, 30%, 87%
XYZ	47.6892, 54.4301, 76.3992
YIQ	190.1130, -34.1110, -4.0550

Conversions

Conversions Part 2

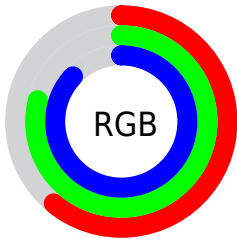
Format	Color
R _{YB}	155, 182, 221
Decimal	10210013
CIE _{Lab}	78.71, -10.93, -14.43
CIE _{LCh}	79, 18.098, 232.849
Yxy	54.4301, 0.2671, 0.3049
Android (android.graphics.Color)	4288400093 (0xFF9BCADD)
YUV	190.1130, 15.2273, -30.7941
Hunter-Lab	73.7768, -13.7272, -9.7538

Details

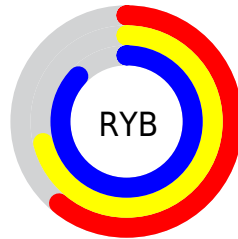
The XYZ color **47.6892, 54.4301, 76.3992** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.8719, 48.0111, 37.5973**, and the grayscale version is **48.9390, 51.4877, 56.0701**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **22.9523, 26.7578, 40.0314** is the 20% darker color. If you saturate the color by 10%, you get **42.3682, 49.5179, 75.7324**, and if you desaturate by 10%, it is **53.8513, 59.8698, 77.1253**.

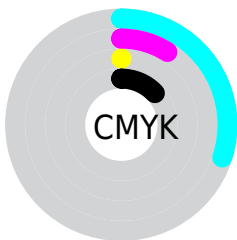
Distribution



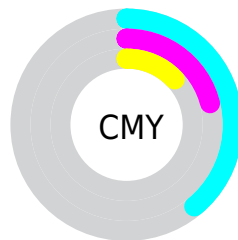
- Red (61%)
- Green (79%)
- Blue (87%)



- Red (61%)
- Yellow (71%)
- Blue (87%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)



- Cyan (39%)
- Magenta (21%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6892, 54.4301, 76.3992 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 47.6892, 54.4301, 76.3992 by changing the saturation by 10% instead.

■ 47.6892, 54.4301,
76.3992

■ 47.6892, 54.4301,
76.3992

368.1620,
403.7480, 502.0963

■ 33.7911, 38.9456,
56.2513

■ 85.9540, 96.7055,
130.0563

■ 22.8953, 26.7174,
39.9991

■ 111.0513,
124.2651, 164.4026

■ 14.6365, 17.3611,
27.2241

140.6124,
156.6187, 204.3187

■ 8.6493, 10.4923,
17.5076

175.0027,
194.1505, 250.2232

■ 4.5684, 5.7266,
10.4313

214.5874,
237.2449, 302.5347

■ 2.0285, 2.6795,
5.5765

259.7319,

■ 0.6499, 0.9668,

286.2864, 361.6717

2.5248

310.8017,
341.6593, 428.0527

■ 0.0000, 0.0000,
0.8532

■ 0.0000, 0.0000,
0.0000

■ 47.6892, 54.4301,
76.3992

■ 47.6892, 54.4301,
76.3992

■ 42.3682, 49.5179,
75.7324

■ 53.8513, 59.8698,
77.1253

■ 37.8402, 45.1035,
75.1190

■ 60.8893, 65.8523,
77.9091

■ 34.0596, 41.1635,
74.5578

■ 68.8422, 72.3998,
78.7537

■ 30.9739, 37.6699,
74.0461

■ 77.7450, 79.5315,
79.6611

■ 28.5234, 34.5905,
73.5808

■ 83.6604, 85.2186,
80.4470

■ 26.6372, 31.8878,
73.1586

■ 85.5022, 88.9023,
81.0610

■ 25.1924, 29.4972,
72.7733

■ 87.4097, 92.7173,
81.6968

■ 25.1739, 29.4657,
72.7682

■ 89.3835, 96.6649,
82.3547

■ 90.0513, 98.0005,
82.5773

Harmonies

Analogous

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



45.6491, 54.4301, 67.2506



47.6892, 54.4301, 76.3992



50.8824, 54.4301, 81.0458

Triad

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



47.6892, 54.4301, 76.3992



58.8658, 54.4301, 61.7522



49.1082, 54.4301, 42.8978

Complementary

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



47.6892, 54.4301, 76.3992



50.8719, 48.0111, 37.5973

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.



52.5954, 54.4301, 41.7846



47.6892, 54.4301, 76.3992



58.3373, 54.4301, 51.9382

Square

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



47.6892, 54.4301, 76.3992



57.4143, 54.4301, 71.9797



56.0017, 54.4301, 44.9058



46.4417, 54.4301, 48.1436

Rectangle

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



47.6892, 54.4301, 76.3992



53.2794, 54.4301, 80.6275



56.0017, 54.4301, 44.9058



50.2191, 54.4301, 42.0546

Sweetspot

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



47.6909, 54.4323, 76.4005



85.0336, 91.7615, 107.8377



46.9859, 61.7268, 49.3304



17.8753, 19.3687, 23.0464



0.0000, 0.0000, 0.0000



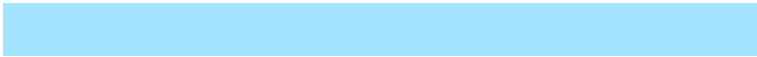
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6909, 54.4323, 76.4005



61.0973, 70.8318, 105.0595



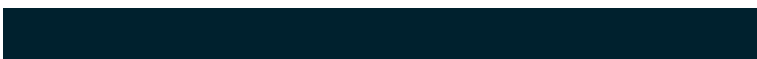
40.8137, 40.6779, 74.1081



13.1118, 14.1633, 16.6949



14.7252, 17.3199, 42.3054



1.0264, 1.2669, 2.7649

Inverse Universe

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



52.2021, 43.0804, 61.4436



68.4564, 53.1589, 80.4713



57.9764, 62.2202, 39.9655



13.4463, 13.2076, 15.6113



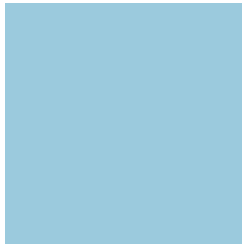
20.9279, 10.3722, 19.7984



1.3924, 0.6866, 1.4752

Previews

White Background



This preview shows how the XYZ color 47.6892, 54.4301, 76.3992 looks on a white background.

Color Contrast Check

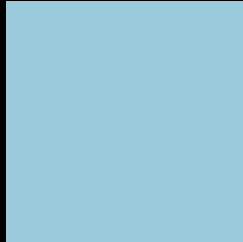
Large Text (above 18pt) WCAG AA × Fail

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 47.6892, 54.4301, 76.3992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

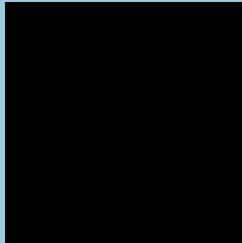
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6892, 54.4301, 76.3992

Background



This preview shows how black text looks on a background with the XYZ color 47.6892, 54.4301, 76.3992.



This preview shows how white text looks on a background with the XYZ color 47.6892, 54.4301,

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

47.6892, 54.4301, 76.3992

Protanopia

53.0739, 54.2527, 71.9645

Deuteranopia

55.2053, 53.9191, 78.0188



Tritanopia

47.2331, 54.2256, 74.9950

Trichromacy



Original Color

47.6892, 54.4301, 76.3992

Protanomaly

50.8547, 54.0733, 73.4025

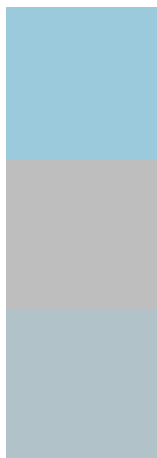
Deuteranomaly

52.1395, 53.9786, 77.4829

Tritanomaly

47.3652, 54.2784, 75.6905

Monochromacy



Original Color

47.6892, 54.4301, 76.3992

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.9659, 52.1477, 62.7958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6892, 54.4301, 76.3992 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, 202, 221)` looks like.

```
.text, #text, p{  
    color:rgb(155, 202, 221)  
}
```

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, 202, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 202, 221) }
```

Border

The CSS property to change the border of an element to XYZ 47.6892, 54.4301, 76.3992 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, 202, 221) }
```


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

```
.border{ border-color:rgb(155, 202, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 202, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 202, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 202, 221); box-shadow:4px 4px 4px 4px rgb(155, 202, 221) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6892, 54.4301, 76.3992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 202, 221) }
```

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

```
.background{ background-color: rgb(155,  
202, 221) }
```

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