

Converting Colors

XYZ(47.4354, 53.7194, 78.3887)

Have a look what the booklet for
XYZ(47.4354, 53.7194, 78.3887)
contains.

XYZ(47.2457, 53.4627, 78.3502)	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(47.2457, 53.4627,
78.3502)**

Conversions

Conversions Part 1

Format	Color
Hex	99C8E0
RGB	153, 200, 224
RGB Percent	60%, 78%, 88%
CMY	0.4000, 0.2157, 0.1216
CMYK	0.32, 0.11, 0.00, 0.12
HSL	200°, 53%, 74%
HSV	200°, 32%, 88%
XYZ	47.2457, 53.4627, 78.3502
YIQ	188.6830, -35.7160, -2.5000

Conversions

Conversions Part 2

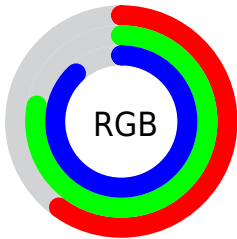
Format	Color
RYB	153, 181, 224
Decimal	10078432
CIELab	78.15, -9.73, -16.90
CIElCh	78, 19.501, 240.061
Yxy	53.4627, 0.2639, 0.2986
Android (android.graphics.Color)	4288268512 (0xFF99C8E0)
YUV	188.6830, 17.4113, -31.2940
Hunter-Lab	73.1182, -12.6181, -12.3498

Details

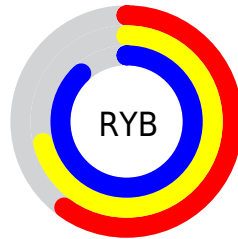
The XYZ color **47.2457, 53.4627, 78.3502** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.2132, 49.5920, 36.9587**, and the grayscale version is **48.1085, 50.6139, 55.1185**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **22.5859, 26.0750, 41.3787** is the 20% darker color. If you saturate the color by 10%, you get **41.6982, 48.0650, 77.6016**, and if you desaturate by 10%, it is **53.6770, 59.4474, 79.1673**.

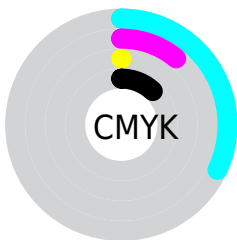
Distribution



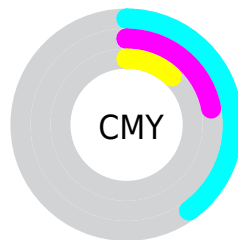
- Red (60%)
- Green (78%)
- Blue (88%)



- Red (60%)
- Yellow (71%)
- Blue (88%)



- Cyan (32%)
- Magenta (11%)
- Yellow (0%)
- Black (12%)



- Cyan (40%)
- Magenta (22%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2457, 53.4627, 78.3502 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 47.2457, 53.4627, 78.3502 by changing the saturation by 10% instead.

■ 47.2457, 53.4627,
78.3502

■ 47.2457, 53.4627,
78.3502

366.4270,
400.0578, 508.9147

■ 33.4387, 38.1723,
57.8435

■ 85.2968, 95.2849,
132.8340

■ 22.6236, 26.1164,
41.2690

■ 110.2715,
122.5854, 167.6483

■ 14.4350, 16.9108,
28.2081

139.6996,
154.6581, 208.0688

■ 8.5075, 10.1709,
18.2422

173.9464,
191.8874, 254.5142

■ 4.4759, 5.5124,
10.9527

213.3771,
234.6576, 307.4029

■ 1.9747, 2.5509,
5.9213

258.3572,

■ 0.6197, 0.9021,

283.3531, 367.1536

2.7293

309.2520,
338.3584, 434.1847

■ 0.0000, 0.0000,
0.9581

■ 0.0000, 0.0000,
0.0000

■ 47.2457, 53.4627,
78.3502

■ 47.2457, 53.4627,
78.3502

■ 41.6982, 48.0650,
77.6016

■ 53.6770, 59.4474,
79.1673

■ 36.9837, 43.2227,
76.9155

■ 61.0294, 66.0364,
80.0516

■ 33.0538, 38.9099,
76.2901

■ 69.3439, 73.2539,
81.0065

■ 29.8525, 35.0961,
75.7227

■ 78.6575, 81.1207,
82.0341

■ 27.3156, 31.7460,
75.2098

■ 85.2286, 87.7096,
82.9595

■ 25.3665, 28.8182,
74.7474

■ 87.4778, 92.2081,
83.7093

■ 24.0899, 26.6523,
74.3966

■ 89.8209, 96.8942,
84.4903

■ 90.4547, 98.1619,
84.7016

Harmonies

Analogous

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



44.7346, 53.4627, 69.3661



47.2457, 53.4627, 78.3502



50.8225, 53.4627, 81.8128

Triad

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



47.2457, 53.4627, 78.3502



58.4978, 53.4627, 58.1894



47.2328, 53.4627, 41.8766

Complementary

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



47.2457, 53.4627, 78.3502



52.2132, 49.5920, 36.9587

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.



50.8069, 53.4627, 39.6516



47.2457, 53.4627, 78.3502



57.4222, 53.4627, 48.3223

Square

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



47.2457, 53.4627, 78.3502



57.4307, 53.4627, 69.3225



54.5590, 53.4627, 41.8586



44.7274, 53.4627, 48.3566

Rectangle

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



47.2457, 53.4627, 78.3502



53.3692, 53.4627, 80.2260



54.5590, 53.4627, 41.8586



48.3431, 53.4627, 40.6452

Sweetspot

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



47.2473, 53.4648, 78.3514



83.5946, 90.1039, 107.5936



47.6963, 63.2457, 51.1161



17.5710, 19.0032, 22.9918



0.0000, 0.0000, 0.0000



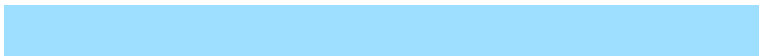
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2473, 53.4648, 78.3514



58.3573, 66.8735, 104.4399



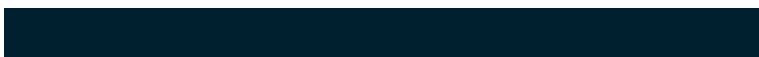
40.0178, 39.0057, 75.9416



13.7060, 14.7512, 17.5126



14.1322, 15.7340, 43.3405



1.0613, 1.2541, 3.0314

Inverse Universe

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



52.5584, 42.8013, 60.1373



66.7020, 51.0351, 75.6166



60.0765, 65.3186, 39.5798



14.0878, 13.8528, 16.2327



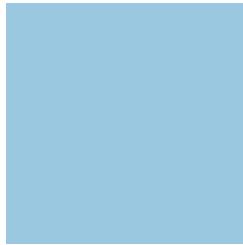
21.0735, 10.4964, 17.5847



1.5020, 0.7441, 1.4362

Previews

White Background



This preview shows how the XYZ color 47.2457, 53.4627, 78.3502 looks on a white background.

Color Contrast Check

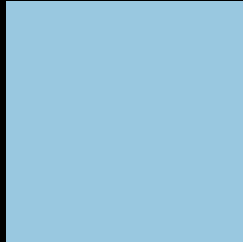
Large Text (above 18pt) WCAG AA × Fail

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 47.2457, 53.4627, 78.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

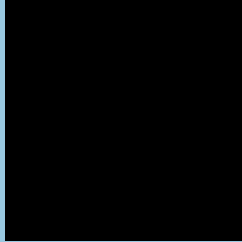
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2457, 53.4627, 78.3502

Background



This preview shows how black text looks on a background with the XYZ color 47.2457, 53.4627, 78.3502.



This preview shows how white text looks on a background with the XYZ color 47.2457, 53.4627,

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

47.2457, 53.4627, 78.3502

Protanopia

52.0247, 53.0149, 73.8206

Deuteranopia

54.2164, 53.0595, 79.3355



Tritanopia

46.1735, 53.3624, 73.5120

Trichromacy



Original Color

47.2457, 53.4627, 78.3502

Protanomaly

49.8893, 52.8648, 75.2846

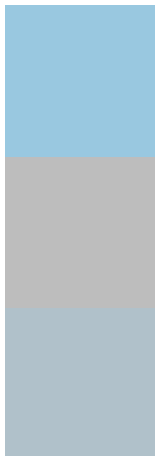
Deuteranomaly

51.2626, 52.8388, 78.7312

Tritanomaly

46.7538, 53.6160, 75.5949

Monochromacy



Original Color

47.2457, 53.4627, 78.3502

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.6351, 51.6343, 63.3329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2457, 53.4627, 78.3502 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(153, 200, 224)` looks like.

```
.text, #text, p{  
    color:rgb(153, 200, 224)  
}
```

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(153, 200, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 200, 224) }
```

Border

The CSS property to change the border of an element to XYZ 47.2457, 53.4627, 78.3502 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(153, 200, 224) }
```


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

```
.border{ border-color:rgb(153, 200, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 200, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 200, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 200, 224);  
box-shadow:4px 4px 4px 4px rgb(153, 200,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2457, 53.4627, 78.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 200, 224) }
```

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

```
.background{ background-color: rgb(153,  
200, 224) }
```

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