

Converting Colors

XYZ(47.2646, 59.9514, 83.5756)

Have a look what the booklet for
XYZ(47.2646, 59.9514, 83.5756)
contains.

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Color

**XYZ(47.3804, 59.9936,
83.9456)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7ADA E6 |
| RGB | 122, 218, 230 |
| RGB Percent | 48%, 85%, 90% |
| CMY | 0.5215, 0.1451, 0.0980 |
| CMYK | 0.47, 0.05, 0.00, 0.10 |
| HSL | 187°, 68%, 69% |
| HSV | 187°, 47%, 90% |
| XYZ | 47.3804, 59.9936, 83.9456 |
| YIQ | 190.6640, -61.0680, -16.6200 |

Conversions

Conversions Part 2

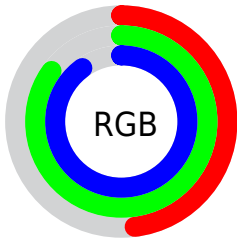
| Format | Color |
|-------------------------------------|--|
| RYB | 122, 173, 230 |
| Decimal | 8051430 |
| CIELab | 81.83, -25.25, -14.71 |
| CIELCh | 82, 29.222, 210.223 |
| Yxy | 59.9936, 0.2477, 0.3136 |
| Android (android.graphics.Color) | 4286241510 (0xFF7ADAE6) |
| YUV | 190.6640, 19.3926, -60.2183 |
| Hunter-Lab | 77.4555, -26.3568, -10.0391 |

Details

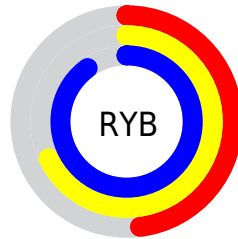
The XYZ color **47.3804, 59.9936, 83.9456** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.6722, 35.2794, 22.8691**, and the grayscale version is **49.2450, 51.8096, 56.4207**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **22.7595, 30.2816, 45.2028** is the 20% darker color. If you saturate the color by 10%, you get **43.8441, 57.1958, 83.5930**, and if you desaturate by 10%, it is **51.7012, 63.2137, 84.3405**.

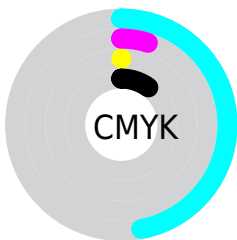
Distribution



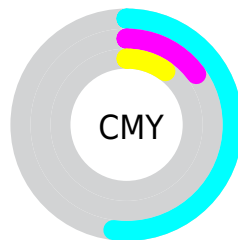
- Red (48%)
- Green (85%)
- Blue (90%)



- Red (48%)
- Yellow (68%)
- Blue (90%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)





- Cyan (52%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3804, 59.9936, 83.9456 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 47.3804, 59.9936, 83.9456 by changing the saturation by 10% instead.


 47.3804, 59.9936,
83.9456


 47.3804, 59.9936,
83.9456


366.9545,
424.5742, 528.1859


 33.5457, 43.4135,
62.4254


 85.4965, 104.8204,
140.7601

 22.7060, 30.2097,
44.9385


 110.5085,
133.8358, 176.8915

 14.4961, 19.9978,
31.0664


 139.9770,
167.7652, 218.7304

 8.5505, 12.3934,
20.3905

174.2674,
206.9928, 266.6953

 4.5039, 7.0122,
12.4923

213.7450,
251.9031, 321.2048

 1.9910, 3.4697,
6.9533

258.7751,

 0.6289, 1.3816,

302.8805, 382.6773

3.3549

309.7232,
360.3094, 451.5315

■ 0.0000, 0.2031,
1.2786

■ 0.0000, 0.0000,
0.0442

■ 47.3804, 59.9936,
83.9456

■ 47.3804, 59.9936,
83.9456

■ 43.8441, 57.1958,
83.5930

■ 51.7012, 63.2137,
84.3405

■ 41.0314, 54.7848,
83.2759


■ 56.8508, 66.8750,
84.7758


■ 38.8817, 52.7306,
82.9927


■ 62.8768, 71.0033,
85.2550


■ 37.3217, 50.9953,
82.7400


■ 69.8215, 75.6206,
85.7802


 36.2567, 49.5302,
82.5133


 77.7243, 80.7472,
86.3532

 35.9830, 49.1131,
82.4472

 84.7569, 85.4408,
86.8885

 85.4869, 86.9008,
87.1318

 86.2274, 88.3818,
87.3787

 86.9785, 89.8840,
87.6290

Harmonies

Analogous

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



45.9705, 59.9936, 65.4553



47.3804, 59.9936, 83.9456



51.3354, 59.9936, 99.4427

Triad

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



47.3804, 59.9936, 83.9456



67.9424, 59.9936, 83.6748



56.9759, 59.9936, 36.9154

Complementary

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



47.3804, 59.9936, 83.9456



44.6722, 35.2794, 22.8691

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.



63.1140, 59.9936, 40.0646



47.3804, 59.9936, 83.9456



69.7165, 59.9936, 65.1905

Square

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



47.3804, 59.9936, 83.9456



63.1997, 59.9936, 99.2676



67.8904, 59.9936, 49.6806



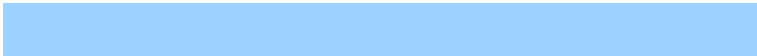
51.2608, 59.9936, 40.1603

Rectangle

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



47.3804, 59.9936, 83.9456



55.0328, 59.9936, 104.8159



67.8904, 59.9936, 49.6806



59.0588, 59.9936, 37.2533

Sweetspot

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



47.3822, 59.9959, 83.9470



81.8616, 91.3422, 107.9240



40.5441, 62.4204, 32.0310



17.1318, 19.2894, 23.0702



0.0000, 0.0000, 0.0000



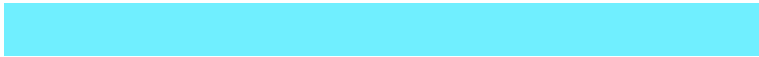
20.3446, 21.4041, 23.3091

Same Dimension

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



47.3822, 59.9959, 83.9470



55.6639, 72.4904, 105.6660



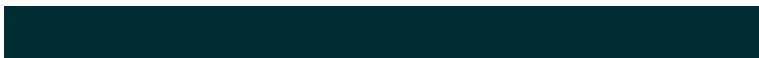
35.8017, 36.8349, 80.0869



14.6635, 16.0485, 18.4691



20.4276, 27.9173, 46.6951



1.5487, 2.1414, 3.4637

Inverse Universe

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



52.2491, 35.8057, 70.4896



62.6563, 39.1326, 86.0176



53.8753, 53.6855, 25.9368



14.9225, 14.5862, 17.7923



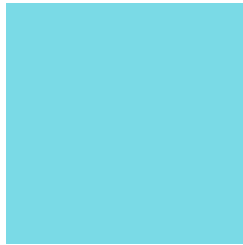
24.7044, 12.0160, 33.6681



1.8454, 0.8959, 2.5922

Previews

White Background



This preview shows how the XYZ color 47.3804, 59.9936, 83.9456 looks on a white background.

Color Contrast Check

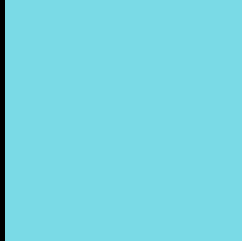
Large Text (above 18pt) WCAG AA × Fail

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 47.3804, 59.9936, 83.9456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

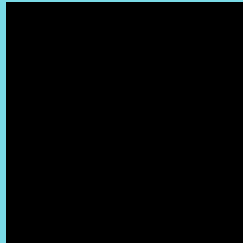
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3804, 59.9936, 83.9456

Background



This preview shows how black text looks on a background with the XYZ color 47.3804, 59.9936, 83.9456.



This preview shows how white text looks on a background with the XYZ color 47.3804, 59.9936,

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

47.3804, 59.9936, 83.9456

Protanopia

57.7602, 59.3053, 75.4206

Deuteranopia

60.5497, 59.1384, 86.0654



Tritanopia

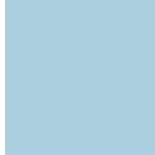
48.1204, 59.9090, 87.6246

Trichromacy



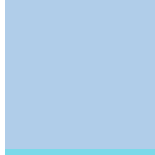
Original Color

47.3804, 59.9936, 83.9456



Protanomaly

52.6454, 58.7240, 78.3722



Deuteranomaly

54.4438, 58.7759, 85.5662



Tritanomaly

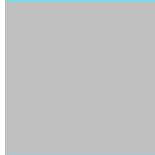
47.6892, 59.7199, 86.1044

Monochromacy



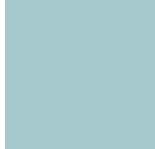
Original Color

47.3804, 59.9936, 83.9456



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.6320, 54.2881, 65.7258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3804, 59.9936, 83.9456 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(122, 218, 230)` looks like.

```
.text, #text, p{  
    color:rgb(122, 218, 230)  
}
```

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(122, 218, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 218, 230) }
```

Border

The CSS property to change the border of an element to XYZ 47.3804, 59.9936, 83.9456 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(122, 218, 230) }
```


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

```
.border{ border-color:rgb(122, 218, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 218, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 218, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 218, 230);  
box-shadow:4px 4px 4px 4px rgb(122, 218,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3804, 59.9936, 83.9456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 218, 230) }
```

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

```
.background{ background-color: rgb(122,  
218, 230) }
```

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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