

Converting Colors

XYZ(49.9764, 60.8338, 90.7264)

Have a look what the booklet for
XYZ(49.9764, 60.8338, 90.7264)
contains.

XYZ(49.9086, 60.7632, 90.7594)	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(49.9086, 60.7632,
90.7594)**

Conversions

Conversions Part 1

Format	Color
Hex	84D9EF
RGB	132, 217, 239
RGB Percent	52%, 85%, 94%
CMY	0.4823, 0.1490, 0.0627
CMYK	0.45, 0.09, 0.00, 0.06
HSL	192°, 77%, 73%
HSV	192°, 45%, 94%
XYZ	49.9086, 60.7632, 90.7594
YIQ	194.0930, -57.7220, -11.1780

Conversions

Conversions Part 2

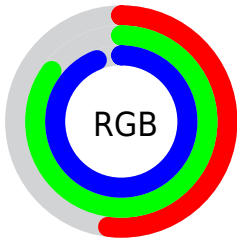
Format	Color
RYB	132, 179, 239
Decimal	8706543
CIELab	82.25, -20.12, -18.82
CIElCh	82, 27.550, 223.101
Yxy	60.7632, 0.2478, 0.3017
Android (android.graphics.Color)	4286896623 (0xFF84D9EF)
YUV	194.0930, 22.1392, -54.4556
Hunter-Lab	77.9508, -22.1278, -14.4668

Details

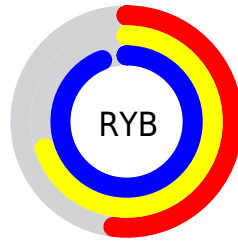
The XYZ color **49.9086, 60.7632, 90.7594** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.3184, 43.1293, 27.4517**, and the grayscale version is **51.2324, 53.9005, 58.6977**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **24.2916, 30.7154, 49.4481** is the 20% darker color. If you saturate the color by 10%, you get **45.3432, 56.5587, 90.1895**, and if you desaturate by 10%, it is **55.3715, 65.4892, 91.3848**.

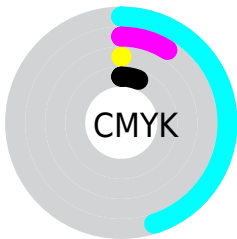
Distribution



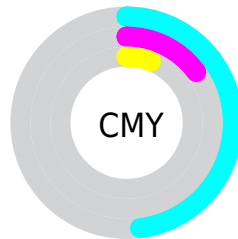
- Red (52%)
- Green (85%)
- Blue (94%)



- Red (52%)
- Yellow (70%)
- Blue (94%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)



- Cyan (48%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9086, 60.7632, 90.7594 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 49.9086, 60.7632, 90.7594 by changing the saturation by 10% instead.

49.9086, 60.7632,
90.7594

49.9086, 60.7632,
90.7594

376.7663,
427.4052, 551.1318

35.5583, 44.0341,
68.0334

89.2321, 105.9360,
150.3375

24.2618, 30.6973,
49.4581

114.9359,
135.1485, 188.0267

15.6537, 20.3685,
34.6148

145.1550,
169.2908, 231.5407

9.3687, 12.6632,
23.0851

180.2547,
208.7475, 281.2981

5.0415, 7.1970,
14.4505

220.6003,
253.9029, 337.7173

2.3066, 3.5856,
8.2923

266.5572,

0.7981, 1.4446,

305.1414, 401.2170

4.1921

318.4908,
362.8474, 472.2156

■ 0.0000, 0.2492,
1.7313

■ 0.0000, 0.0000,
0.3821

■ 49.9086, 60.7632,
90.7594

■ 49.9086, 60.7632,
90.7594

■ 45.3432, 56.5587,
90.1895

■ 55.3715, 65.4892,
91.3848

■ 41.6102, 52.8373,
89.6680


■ 61.7802, 70.7578,
92.0639


■ 38.6442, 49.5665,
89.1930


■ 69.1862, 76.5975,
92.8008


■ 36.3674, 46.7054,
88.7607


■ 77.6356, 83.0325,
93.5975


 34.6842, 44.2044,
88.3667

 87.1714, 90.0854,
94.4563

 33.9642, 43.0000,
88.1722

 89.9240, 93.6997,
95.0088

 91.4424, 96.7365,
95.5150

 92.5802, 99.0121,
95.8942

Harmonies

Analogous

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



47.4566, 60.7632, 73.7509



49.9086, 60.7632, 90.7594



54.5388, 60.7632, 102.1027

Triad

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



49.9086, 60.7632, 90.7594



69.2234, 60.7632, 75.9946



55.2362, 60.7632, 39.4380

Complementary

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



49.9086, 60.7632, 90.7594



51.3184, 43.1293, 27.4517

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.



61.0923, 60.7632, 39.8315



49.9086, 60.7632, 90.7594



69.4418, 60.7632, 59.1102

Square

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



49.9086, 60.7632, 90.7594



65.8026, 60.7632, 92.6397



66.3804, 60.7632, 46.4644



50.3893, 60.7632, 45.2795

Rectangle

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



49.9086, 60.7632, 90.7594



58.3655, 60.7632, 103.9116



66.3804, 60.7632, 46.4644



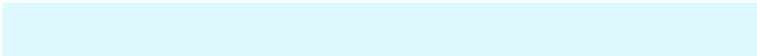
57.1460, 60.7632, 38.8791

Sweetspot

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



49.9105, 60.7655, 90.7608



81.7524, 89.9742, 107.6657



46.1667, 68.9531, 41.1885



17.0598, 18.9193, 23.0026



0.0000, 0.0000, 0.0000



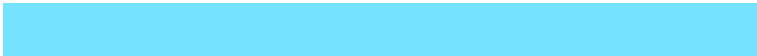
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9105, 60.7655, 90.7608



52.8107, 65.7912, 104.5233



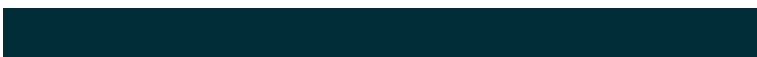
38.3908, 37.7262, 86.9209



15.9554, 17.3448, 20.2286



18.8660, 23.9563, 48.7576



1.6382, 2.1303, 4.0791

Inverse Universe

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



56.3739, 39.8649, 70.3715



61.4586, 39.5815, 76.8493



62.0515, 64.5955, 31.0294



16.3069, 15.9725, 19.1724



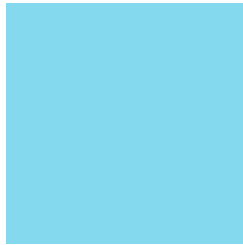
24.8483, 12.2118, 28.1815



2.1018, 1.0298, 2.5270

Previews

White Background



This preview shows how the XYZ color 49.9086, 60.7632, 90.7594 looks on a white background.

Color Contrast Check

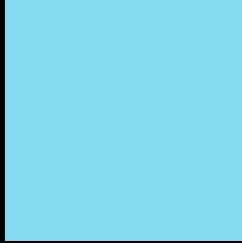
Large Text (above 18pt) WCAG AA × Fail

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 49.9086, 60.7632, 90.7594 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 49.9086, 60.7632, 90.7594

Background



This preview shows how black text looks on a background with the XYZ color 49.9086, 60.7632, 90.7594.

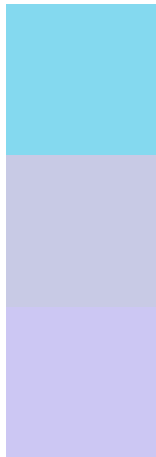


This preview shows how white text looks on a background with the XYZ color 49.9086, 60.7632,

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

49.9086, 60.7632, 90.7594

Protanopia

59.0828, 60.1776, 82.6302

Deuteranopia

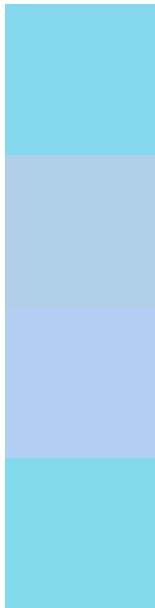
61.5029, 60.1553, 93.1636



Tritanopia

49.4269, 60.9663, 87.7599

Trichromacy



Original Color

49.9086, 60.7632, 90.7594

Protanomaly

54.7000, 59.6228, 85.7161

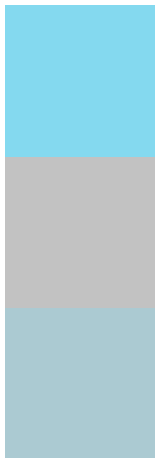
Deuteranomaly

56.4584, 60.0184, 92.6134

Tritanomaly

49.5718, 61.0242, 88.5230

Monochromacy



Original Color

49.9086, 60.7632, 90.7594

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.5480, 55.5521, 69.0839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9086, 60.7632, 90.7594 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(132, 217, 239)` looks like.

```
.text, #text, p{  
    color:rgb(132, 217, 239)  
}
```

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(132, 217, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 217, 239) }
```

Border

The CSS property to change the border of an element to XYZ 49.9086, 60.7632, 90.7594 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(132, 217, 239) }
```


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

```
.border{ border-color:rgb(132, 217, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 217, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 217, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 217, 239);  
box-shadow:4px 4px 4px 4px rgb(132, 217,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9086, 60.7632, 90.7594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 217, 239) }
```

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

```
.background{ background-color: rgb(132,  
217, 239) }
```

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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