

Converting Colors

XYZ(40.0445, 49.8148, 84.5962)

Have a look what the booklet for
XYZ(40.0445, 49.8148, 84.5962)
contains.

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Color

**XYZ(40.1088, 49.9836,
84.6246)**

Conversions

Conversions Part 1

Format	Color
Hex	5DC9E9
RGB	93, 201, 233
RGB Percent	36%, 79%, 91%
CMY	0.6353, 0.2118, 0.0863
CMYK	0.60, 0.14, 0.00, 0.09
HSL	194°, 76%, 64%
HSV	194°, 60%, 91%
XYZ	40.1088, 49.9836, 84.6246
YIQ	172.3560, -74.6400, -12.9440

Conversions

Conversions Part 2

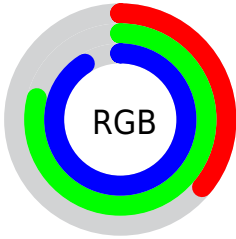
Format	Color
R _Y B	93, 154, 233
Decimal	6146537
CIE Lab	76.06, -21.77, -25.16
CIE LCh	76, 33.273, 229.128
Yxy	49.9836, 0.2296, 0.2861
Android (android.graphics.Color)	4284336617 (0xFF5DC9E9)
YUV	172.3560, 29.8975, -69.5952
Hunter-Lab	70.6991, -22.4573, -21.4789

Details

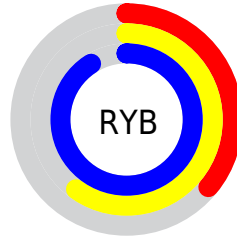
The XYZ color **40.1088, 49.9836, 84.6246** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **42.9151, 32.7829, 14.4235**, and the grayscale version is **39.2750, 41.3203, 44.9978**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **18.3695, 24.0418, 45.2673** is the 20% darker color. If you saturate the color by 10%, you get **36.8801, 46.5089, 84.1250**, and if you desaturate by 10%, it is **44.1020, 53.9184, 85.1746**.

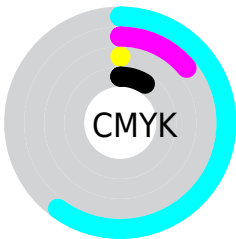
Distribution



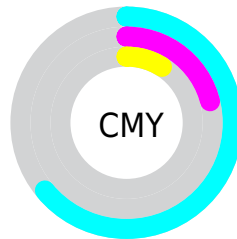
- Red (36%)
- Green (79%)
- Blue (91%)



- Red (36%)
- Yellow (60%)
- Blue (91%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (64%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1088, 49.9836, 84.6246 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 40.1088, 49.9836, 84.6246 by changing the saturation by 10% instead.

40.1088, 49.9836,
84.6246

40.1088, 49.9836,
84.6246

337.7085,
386.6018, 530.4972

27.8080, 35.4004,
62.9829

74.6124, 90.1506,
141.7181

18.3207, 23.9714,
45.3864

97.5460, 116.5031,
178.0069

11.2815, 15.3124,
31.4168

124.7545,
147.5475, 220.0152

6.3252, 9.0390,
20.6553

156.6032,
183.6682, 268.1614

3.0864, 4.7666,
12.6835

193.4577,
225.2496, 322.8642

1.1996, 2.1110,
7.0828

235.6831,

0.1060, 0.6708,

272.6761, 384.5421

3.4347

283.6449,
326.3320, 453.6136

■ 0.0000, 0.0000,
1.3207

■ 0.0000, 0.0000,
0.0786

■ 40.1088, 49.9836,
84.6246

■ 40.1088, 49.9836,
84.6246

■ 36.8801, 46.5089,
84.1250

■ 44.1020, 53.9184,
85.1746

■ 34.3430, 43.4530,
83.6689


■ 48.9145, 58.3390,
85.7742


■ 32.4183, 40.7754,
83.2535


■ 54.6012, 63.2754,
86.4273


■ 30.9778, 38.4226,
82.8753


■ 61.2109, 68.7535,
87.1363

 68.7887, 74.7970,
87.9034

 77.3765, 81.4281,
88.7307

 86.6051, 88.4571,
89.6010

 88.1811, 91.6092,
90.1264

 89.8035, 94.8539,
90.6672

Harmonies

Analogous

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



37.0876, 49.9836, 66.4272



40.1088, 49.9836, 84.6246



45.2893, 49.9836, 95.4308

Triad

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



40.1088, 49.9836, 84.6246



60.2374, 49.9836, 61.1379



43.6984, 49.9836, 28.0683

Complementary

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



40.1088, 49.9836, 84.6246



42.9151, 32.7829, 14.4235

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.



49.7979, 49.9836, 27.2561



40.1088, 49.9836, 84.6246



59.7172, 49.9836, 43.9609

Square

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



40.1088, 49.9836, 84.6246



57.1301, 49.9836, 80.0334



55.7652, 49.9836, 32.4281



39.0318, 49.9836, 34.9585

Rectangle

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



40.1088, 49.9836, 84.6246



49.4292, 49.9836, 95.6940



55.7652, 49.9836, 32.4281



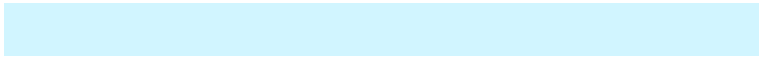
45.6371, 49.9836, 27.1422

Sweetspot

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



40.1104, 49.9854, 84.6258



76.8768, 85.7978, 107.1165



37.2506, 62.0446, 28.8629



15.9065, 17.9197, 22.8704



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.



40.1104, 49.9854, 84.6258



44.4809, 56.1807, 103.1073



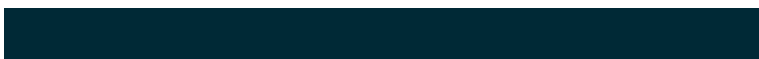
27.5658, 24.8962, 80.4443



15.2088, 16.5040, 19.3063



17.6752, 21.9974, 47.0573



1.4590, 1.8695, 3.7188

Inverse Universe

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



48.0626, 29.3710, 58.3961



55.5334, 30.6234, 65.9579



54.7252, 56.4031, 18.3602



15.5589, 15.2514, 18.2287



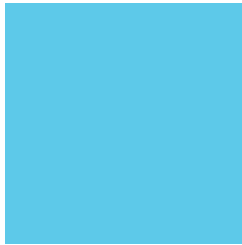
23.7769, 11.7135, 25.6904



1.9030, 0.9341, 2.2063

Previews

White Background



This preview shows how the XYZ color 40.1088, 49.9836, 84.6246 looks on a white background.

Color Contrast Check

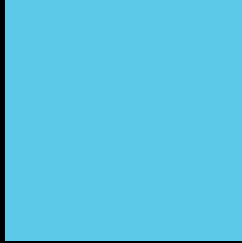
Large Text (above 18pt) WCAG AA × Fail

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 40.1088, 49.9836, 84.6246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

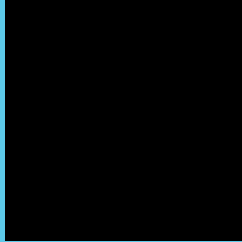
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1088, 49.9836, 84.6246

Background



This preview shows how black text looks on a background with the XYZ color 40.1088, 49.9836, 84.6246.

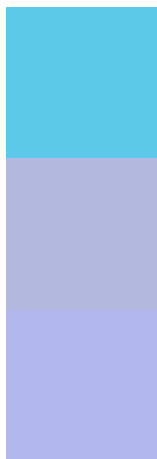


This preview shows how white text looks on a background with the XYZ color 40.1088, 49.9836,

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

40.1088, 49.9836, 84.6246

Protanopia

49.1242, 49.5556, 76.0833

Deuteranopia

50.5796, 49.4464, 86.9990



Tritanopia

38.2047, 49.9054, 75.3293

Trichromacy



Original Color

40.1088, 49.9836, 84.6246

Protanomaly

44.5710, 49.0485, 79.0697

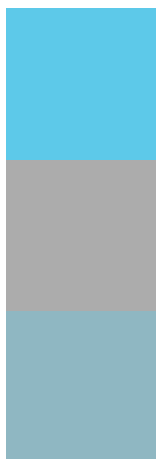
Deuteranomaly

45.5864, 49.0861, 86.4288

Tritanomaly

38.8310, 49.8011, 78.8001

Monochromacy



Original Color

40.1088, 49.9836, 84.6246

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.9988, 43.6017, 57.4521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1088, 49.9836, 84.6246 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(93, 201, 233)` looks like.

```
.text, #text, p{  
    color:rgb(93, 201, 233)  
}
```

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(93, 201, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 201, 233) }
```

Border

The CSS property to change the border of an element to XYZ 40.1088, 49.9836, 84.6246 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(93, 201, 233) }
```


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

```
.border{ border-color:rgb(93, 201, 233) }
```

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

Here you see how a box with a 4 pixel rgb(93, 201, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 201, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 201, 233);  
box-shadow:4px 4px 4px 4px rgb(93, 201,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1088, 49.9836, 84.6246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 201, 233) }
```

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

```
.background{ background-color: rgb(93, 201,  
233) }
```

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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