

Converting Colors

XYZ(36.8100, 49.3841, 83.9359)

Have a look what the booklet for
XYZ(36.8100, 49.3841, 83.9359)
contains.

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Color

**XYZ(36.7856, 49.3353,
83.9278)**

Conversions

Conversions Part 1

Format	Color
Hex	21CCE8
RGB	33, 204, 232
RGB Percent	13%, 80%, 91%
CMY	0.8705, 0.2000, 0.0902
CMYK	0.86, 0.12, 0.00, 0.09
HSL	188°, 81%, 52%
HSV	188°, 86%, 91%
XYZ	36.7856, 49.3353, 83.9278
YIQ	156.0630, -110.9040, -27.5440

Conversions

Conversions Part 2

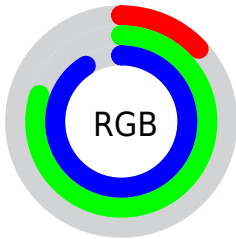
Format	Color
R_{YB}	33, 125, 232
Decimal	2215144
CIE _{Lab}	75.66, -30.71, -25.34
CIE _{LCh}	76, 39.815, 219.533
Yxy	49.3353, 0.2163, 0.2901
Android (android.graphics.Color)	4280405224 (0xFF21CCE8)
YUV	156.0630, 37.4369, -107.9263
Hunter-Lab	70.2391, -29.4344, -21.6775

Details

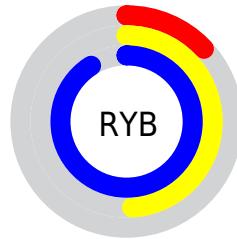
The XYZ color **36.7856, 49.3353, 83.9278** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **35.2240, 20.6060, 3.5615**, and the grayscale version is **31.5056, 33.1464, 36.0964**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **18.5839, 24.6295, 44.8488** is the 20% darker color. If you saturate the color by 10%, you get **35.5143, 47.5410, 83.6494**, and if you desaturate by 10%, it is **38.5868, 51.4288, 84.2379**.

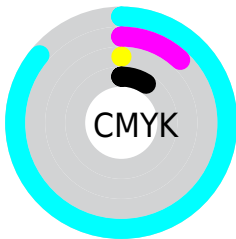
Distribution



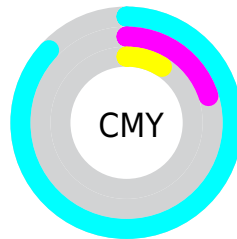
- Red (13%)
- Green (80%)
- Blue (91%)



- Red (13%)
- Yellow (49%)
- Blue (91%)



- Cyan (86%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



- Cyan (87%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7856, 49.3353, 83.9278 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 36.7856, 49.3353, 83.9278 by changing the saturation by 10% instead.

36.7856, 49.3353,
83.9278

36.7856, 49.3353,
83.9278

323.7530,
384.0608, 528.1252

25.2144, 34.8855,
62.4108

69.5589, 89.1892,
140.7350

16.3665, 23.5747,
44.9268

91.4917, 115.3622,
176.8623

9.8763, 15.0184,
31.0572

117.6092,
146.2117, 218.6967

5.3787, 8.8323,
20.3836

148.2766,
182.1221, 266.6568

2.5081, 4.6320,
12.4873

183.8593,
223.4778, 321.1612

0.8994, 2.0330,
6.9499

224.7228,

0.0000, 0.6265,

270.6633, 382.6284

3.3528

271.2322,
324.0628, 451.4769

■ 0.0000, 0.0000,
1.2775

■ 0.0000, 0.0000,
0.0432

■ 36.7856, 49.3353,
83.9278

■ 36.7856, 49.3353,
83.9278

■ 35.5143, 47.5410,
83.6494

■ 38.5868, 51.4288,
84.2379

■ 35.0711, 46.8370,
83.5369

■ 41.0037, 53.8631,
84.5804

■ 44.1114, 56.6779,
84.9599

■ 47.9727, 59.9058,
85.3794

■ 52.6435, 63.5757,
85.8416

■ 58.1741, 67.7137,
86.3488

■ 64.6109, 72.3439,
86.9033

■ 71.9967, 77.4884,
87.5070

■ 80.3716, 83.1681,
88.1619

Harmonies

Analogous

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



34.2542, 49.3353, 60.7268



36.7856, 49.3353, 83.9278



42.1073, 49.3353, 101.4413

Triad

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



36.7856, 49.3353, 83.9278



61.4672, 49.3353, 69.2019



44.5827, 49.3353, 22.8018

Complementary

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



36.7856, 49.3353, 83.9278



35.2240, 20.6060, 3.5615

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.



52.0255, 49.3353, 23.9514



36.7856, 49.3353, 83.9278



62.3083, 49.3353, 47.2699

Square

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



36.7856, 49.3353, 83.9278



56.5069, 49.3353, 91.5105



58.6975, 49.3353, 31.7968



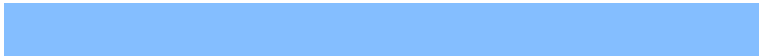
38.4343, 49.3353, 28.0943

Rectangle

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



36.7856, 49.3353, 83.9278



46.7764, 49.3353, 105.4054



58.6975, 49.3353, 31.7968



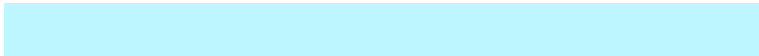
47.0073, 49.3353, 22.4873

Sweetspot

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



36.7872, 49.3371, 83.9290



71.8176, 83.7119, 106.9806



30.2889, 58.3593, 13.8816



14.8375, 17.5228, 22.8502



0.0000, 0.0000, 0.0000



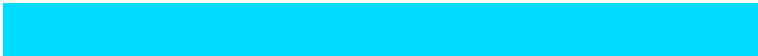
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7872, 49.3371, 83.9290



43.4124, 57.9448, 103.5041



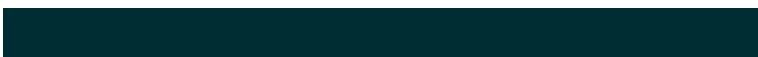
20.3459, 16.4546, 78.4486



14.6255, 15.9724, 18.4565



19.5402, 26.1425, 46.3993



1.4917, 2.0273, 3.4447

Inverse Universe

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



44.7231, 22.6049, 59.1345



54.0418, 26.3807, 69.3432



45.9596, 42.0771, 7.1400



14.9033, 14.5785, 17.6912



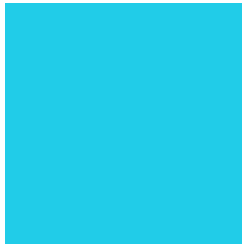
24.2565, 11.8368, 31.3093



1.8166, 0.8843, 2.4405

Previews

White Background



This preview shows how the XYZ color 36.7856, 49.3353, 83.9278 looks on a white background.

Color Contrast Check

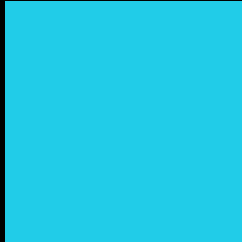
Large Text (above 18pt) WCAG AA × Fail

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 36.7856, 49.3353, 83.9278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

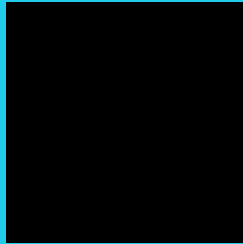
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7856, 49.3353, 83.9278

Background



This preview shows how black text looks on a background with the XYZ color 36.7856, 49.3353, 83.9278.

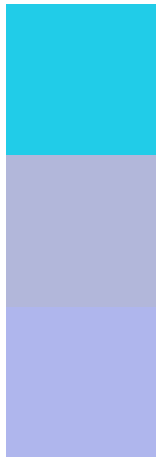


This preview shows how white text looks on a background with the XYZ color 36.7856, 49.3353,

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

36.7856, 49.3353, 83.9278

Protanopia

47.9485, 48.3939, 73.1435

Deuteranopia

49.6932, 48.6843, 86.8987



Tritanopia

35.3688, 49.4746, 76.7927

Trichromacy



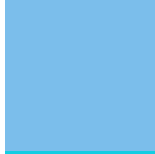
Original Color

36.7856, 49.3353, 83.9278



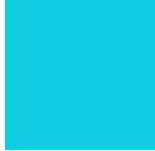
Protanomaly

40.4075, 46.9493, 76.7445



Deuteranomaly

41.5772, 47.0360, 85.4848



Tritanomaly

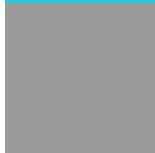
35.8082, 49.2822, 79.5766

Monochromacy



Original Color

36.7856, 49.3353, 83.9278



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

30.1508, 36.7273, 50.8474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7856, 49.3353, 83.9278 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(33, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(33, 204, 232)  
}
```

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(33, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 204, 232) }
```

Border

The CSS property to change the border of an element to XYZ 36.7856, 49.3353, 83.9278 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(33, 204, 232) }
```


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

```
.border{ border-color:rgb(33, 204, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 204, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(33, 204,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7856, 49.3353, 83.9278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 204, 232) }
```

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

```
.background{ background-color: rgb(33, 204,  
232) }
```

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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