

Converting Colors

XYZ(36.4126, 47.7000, 85.8851)

Have a look what the booklet for
XYZ(36.4126, 47.7000, 85.8851)
contains.

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Color

**XYZ(36.4126, 47.7000,
85.8851)**

Conversions

Conversions Part 1

Format	Color
Hex	25C8EB
RGB	37, 200, 235
RGB Percent	15%, 78%, 92%
CMY	0.8548, 0.2157, 0.0784
CMYK	0.84, 0.15, 0.00, 0.08
HSL	191°, 83%, 53%
HSV	191°, 84%, 92%
XYZ	36.4126, 47.7000, 85.8851
YIQ	155.2530, -108.3830, -23.6710

Conversions

Conversions Part 2

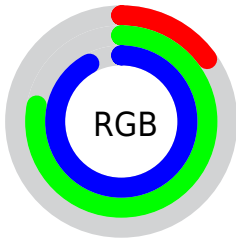
Format	Color
R _Y B	37, 126, 235
Decimal	2476267
CIE Lab	74.64, -27.53, -28.52
CIE LCh	75, 39.642, 226.017
Yxy	47.7000, 0.2142, 0.2806
Android (android.graphics.Color)	4280666347 (0xFF25C8EB)
YUV	155.2530, 39.3153, -103.7079
Hunter-Lab	69.0652, -26.7552, -25.3837

Details

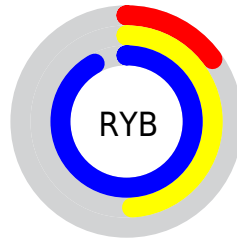
The XYZ color **36.4126, 47.7000, 85.8851** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **36.9143, 22.4334, 4.1365**, and the grayscale version is **31.1368, 32.7584, 35.6739**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **18.4156, 23.8124, 46.2735** is the 20% darker color. If you saturate the color by 10%, you get **34.8751, 45.4992, 85.5423**, and if you desaturate by 10%, it is **38.5209, 50.2356, 86.2643**.

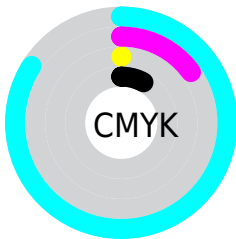
Distribution



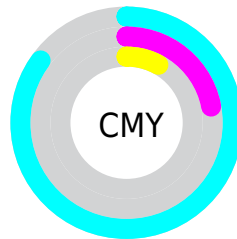
- Red (15%)
- Green (78%)
- Blue (92%)



- Red (15%)
- Yellow (49%)
- Blue (92%)



- Cyan (84%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)





- Cyan (85%)
- Magenta (22%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4126, 47.7000, 85.8851 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 36.4126, 47.7000, 85.8851 by changing the saturation by 10% instead.


 36.4126, 47.7000,
85.8851


 36.4126, 47.7000,
85.8851


322.1602,
377.6018, 534.7730


 24.9246, 33.5894,
64.0186


 68.9881, 86.7576,
143.4943


 16.1493, 22.5783,
46.2195

 90.8064, 112.4733,
180.0740


 9.7214, 14.2825,
32.0691


 116.7988,
142.8262, 222.3953

 5.2755, 8.3174,
21.1491

 147.3307,
178.2006, 270.8766

 2.4462, 4.2987,
13.0407

 182.7674,
218.9810, 325.9365

 0.8682, 1.8420,
7.3255

223.4744,

 0.0000, 0.5132,

265.5517, 387.9935

3.5850

269.8168,
318.2972, 457.4662

■ 0.0000, 0.0000,
1.4005

■ 0.0000, 0.0000,
0.1421

■ 36.4126, 47.7000,
85.8851

■ 36.4126, 47.7000,
85.8851

■ 34.8751, 45.4992,
85.5423

■ 38.5209, 50.2356,
86.2643

■ 34.1669, 44.3409,
85.3560

■ 41.2855, 53.1477,
86.6807

■ 44.7820, 56.4766,
87.1390

■ 49.0741, 60.2553,
87.6421

■ 54.2185, 64.5134,
88.1929

■ 60.2667, 69.2777,
88.7937

■ 67.2660, 74.5728,
89.4468

■ 75.2601, 80.4217,
90.1545

■ 84.2903, 86.8457,
90.9185

Harmonies

Analogous

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



33.3236, 47.7000, 63.6243



36.4126, 47.7000, 85.8851



42.0836, 47.7000, 100.5081

Triad

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



36.4126, 47.7000, 85.8851



60.0917, 47.7000, 62.0856



41.6350, 47.7000, 22.4561

Complementary

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



36.4126, 47.7000, 85.8851



36.9143, 22.4334, 4.1365

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.



48.7548, 47.7000, 22.2492



36.4126, 47.7000, 85.8851



59.9389, 47.7000, 41.7768

Square

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



36.4126, 47.7000, 85.8851



56.0108, 47.7000, 84.5055



55.6130, 47.7000, 28.3720



36.1142, 47.7000, 29.0400

Rectangle

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



36.4126, 47.7000, 85.8851



46.7995, 47.7000, 101.9962



55.6130, 47.7000, 28.3720



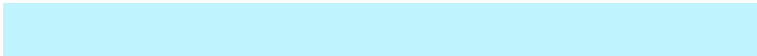
43.9061, 47.7000, 21.7117

Sweetspot

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



36.4142, 47.7017, 85.8863



71.8684, 82.8680, 106.8150



31.5785, 60.2535, 15.7631



14.8129, 17.2928, 22.8071



0.0000, 0.0000, 0.0000



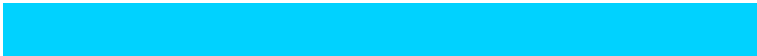
20.3446, 21.4041, 23.3091

Same Dimension

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



36.4142, 47.7017, 85.8863



41.0772, 53.2744, 102.7257



20.6110, 16.0954, 80.6186



15.2780, 16.6425, 19.3293



19.1001, 24.8471, 47.5323



1.5591, 2.0697, 3.7522

Inverse Universe

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



45.3492, 23.1571, 56.7248



52.8631, 25.9092, 63.1362



48.7851, 46.1750, 8.0935



15.5939, 15.2654, 18.4127



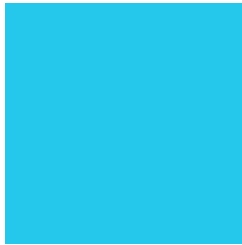
24.4961, 12.0011, 29.4776



1.9535, 0.9544, 2.4724

Previews

White Background



This preview shows how the XYZ color 36.4126, 47.7000, 85.8851 looks on a white background.

Color Contrast Check

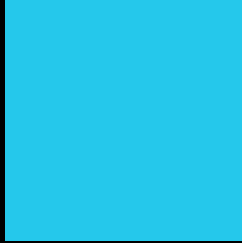
Large Text (above 18pt) WCAG AA × Fail

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 36.4126, 47.7000, 85.8851 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

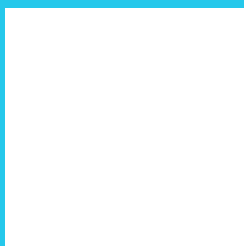
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4126, 47.7000, 85.8851

Background



This preview shows how black text looks on a background with the XYZ color 36.4126, 47.7000, 85.8851.



This preview shows how white text looks on a background with the XYZ color 36.4126, 47.7000,

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

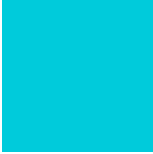
36.4126, 47.7000, 85.8851

Protanopia

46.6060, 46.7472, 74.9733

Deuteranopia

48.2105, 46.9665, 88.9625



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



Original Color

36.4126, 47.7000, 85.8851



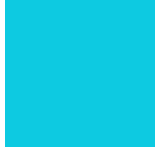
Protanomaly

39.8100, 45.3167, 78.6003



Deuteranomaly

41.0881, 45.7786, 87.5595



Tritanomaly

34.8771, 47.7629, 78.6151

Monochromacy



Original Color

36.4126, 47.7000, 85.8851



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.8967, 36.0313, 50.7264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4126, 47.7000, 85.8851 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(37, 200, 235)` looks like.

```
.text, #text, p{  
  color:rgb(37, 200, 235)  
}
```

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(37, 200, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 200, 235) }
```

Border

The CSS property to change the border of an element to XYZ 36.4126, 47.7000, 85.8851 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(37, 200, 235) }
```


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

```
.border{ border-color:rgb(37, 200, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 200, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 200, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 200, 235);  
box-shadow:4px 4px 4px 4px rgb(37, 200,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4126, 47.7000, 85.8851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 200, 235) }
```

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

```
.background{ background-color: rgb(37, 200,  
235) }
```

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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