

Converting Colors

XYZ(36.5222, 47.7397, 86.6467)

Have a look what the booklet for
XYZ(36.5222, 47.7397, 86.6467)
contains.

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Color

**XYZ(36.5222, 47.7397,
86.6467)**

Conversions

Conversions Part 1

Format	Color
Hex	24C8EC
RGB	36, 200, 236
RGB Percent	14%, 78%, 93%
CMY	0.8587, 0.2157, 0.0745
CMYK	0.85, 0.15, 0.00, 0.07
HSL	191°, 84%, 53%
HSV	191°, 85%, 93%
XYZ	36.5222, 47.7397, 86.6467
YIQ	155.0680, -109.3000, -23.5720

Conversions

Conversions Part 2

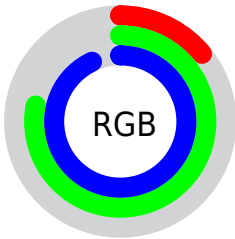
Format	Color
RYB	36, 126, 236
Decimal	2410732
CIELab	74.66, -27.27, -29.03
CIELCh	75, 39.829, 226.782
Yxy	47.7397, 0.2137, 0.2793
Android (android.graphics.Color)	4280600812 (0xFF24C8EC)
YUV	155.0680, 39.8995, -104.4226
Hunter-Lab	69.0939, -26.5615, -25.9864

Details

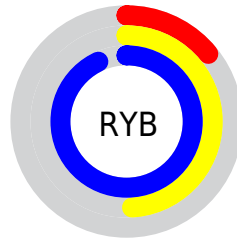
The XYZ color **36.5222, 47.7397, 86.6467** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **37.2302, 22.5985, 4.0708**, and the grayscale version is **31.0533, 32.6705, 35.5781**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **18.5171, 23.8531, 46.8082** is the 20% darker color. If you saturate the color by 10%, you get **34.9826, 45.5064, 86.2977**, and if you desaturate by 10%, it is **38.6340, 50.3103, 87.0325**.

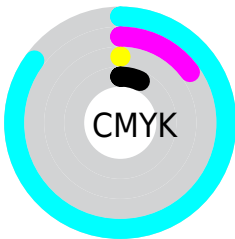
Distribution



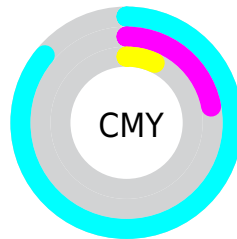
- Red (14%)
- Green (78%)
- Blue (93%)



- Red (14%)
- Yellow (49%)
- Blue (93%)



- Cyan (85%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)



- Cyan (86%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5222, 47.7397, 86.6467 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 36.5222, 47.7397, 86.6467 by changing the saturation by 10% instead.

36.5222, 47.7397,
86.6467

36.5222, 47.7397,
86.6467

322.6288,
377.7594, 537.3473

25.0097, 33.6208,
64.6449

69.1559, 86.8167,
144.5661

16.2131, 22.6024,
46.7237

91.0079, 112.5436,
181.3208

9.7669, 14.3002,
32.4645

117.0371,
142.9086, 223.8303

5.3057, 8.3298,
21.4488

147.6089,
178.2962, 272.5130

2.4643, 4.3067,
13.2580

183.0886,
219.0906, 327.7875

0.8773, 1.8466,
7.4736

223.8416,

0.0000, 0.5159,

265.6764, 390.0723

3.6771

270.2332,
318.4379, 459.7861

■ 0.0000, 0.0000,
1.4499

■ 0.0000, 0.0000,
0.1802

■ 36.5222, 47.7397,
86.6467

■ 36.5222, 47.7397,
86.6467

■ 34.9826, 45.5064,
86.2977

■ 38.6340, 50.3103,
87.0325

■ 34.3250, 44.4253,
86.1237

■ 41.4055, 53.2610,
87.4560

■ 44.9138, 56.6328,
87.9219

■ 49.2237, 60.4594,
88.4333

■ 54.3929, 64.7708,
88.9931

■ 60.4735, 69.5943,
89.6036

■ 67.5136, 74.9548,
90.2672

■ 75.5576, 80.8756,
90.9861

■ 84.6471, 87.3785,
91.7622

Harmonies

Analogous

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



33.3460, 47.7397, 64.3178



36.5222, 47.7397, 86.6467



42.2761, 47.7397, 101.0505

Triad

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



36.5222, 47.7397, 86.6467



60.2661, 47.7397, 61.6054



41.4860, 47.7397, 22.4642

Complementary

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



36.5222, 47.7397, 86.6467



37.2302, 22.5985, 4.0708

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.



48.6220, 47.7397, 22.1005



36.5222, 47.7397, 86.6467



59.9966, 47.7397, 41.3312

Square

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



36.5222, 47.7397, 86.6467



56.2555, 47.7397, 84.2130



55.5543, 47.7397, 28.0680



35.9967, 47.7397, 29.2428

Rectangle

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



36.5222, 47.7397, 86.6467



47.0334, 47.7397, 102.2618



55.5543, 47.7397, 28.0680



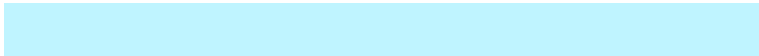
43.7563, 47.7397, 21.6654

Sweetspot

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



36.5238, 47.7414, 86.6479



71.8064, 82.7441, 106.7943



31.8095, 60.8013, 15.7474



14.7979, 17.2628, 22.8021



0.0000, 0.0000, 0.0000



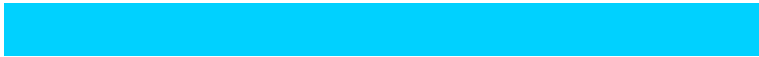
20.3446, 21.4041, 23.3091

Same Dimension

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



36.5238, 47.7414, 86.6479



40.8740, 52.8680, 102.6580



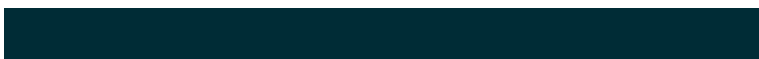
20.6878, 16.0695, 81.3692



15.2737, 16.6338, 19.3279



19.0075, 24.6621, 47.5014



1.5527, 2.0568, 3.7500

Inverse Universe

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



45.6498, 23.2666, 56.7300



52.7605, 25.8682, 62.5962



49.1631, 46.4642, 8.0484



15.5917, 15.2645, 18.4011



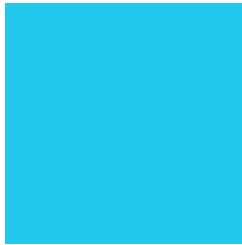
24.4494, 11.9825, 29.2317



1.9502, 0.9530, 2.4552

Previews

White Background



This preview shows how the XYZ color 36.5222, 47.7397, 86.6467 looks on a white background.

Color Contrast Check

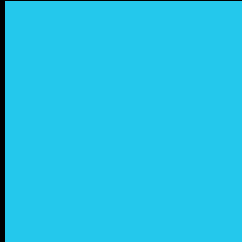
Large Text (above 18pt) WCAG AA × Fail

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 36.5222, 47.7397, 86.6467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

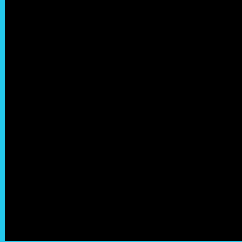
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5222, 47.7397, 86.6467

Background



This preview shows how black text looks on a background with the XYZ color 36.5222, 47.7397, 86.6467.

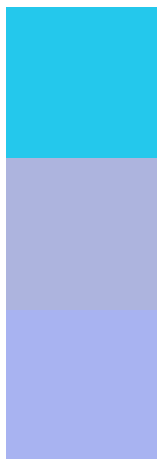


This preview shows how white text looks on a background with the XYZ color 36.5222, 47.7397,

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

36.5222, 47.7397, 86.6467

Protanopia

46.7397, 46.8007, 75.6772

Deuteranopia

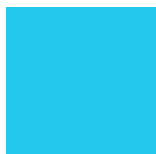
48.1457, 46.9159, 89.7372



Tritanopia

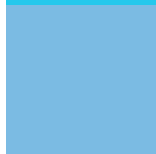
34.1421, 47.8263, 74.4498

Trichromacy



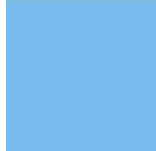
Original Color

36.5222, 47.7397, 86.6467



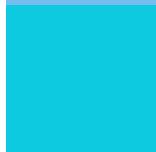
Protanomaly

39.8038, 45.2977, 79.3185



Deuteranomaly

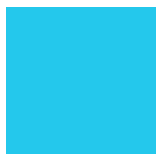
41.0960, 45.7657, 88.3290



Tritanomaly

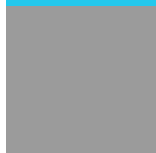
34.8771, 47.7629, 78.6151

Monochromacy



Original Color

36.5222, 47.7397, 86.6467



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 36.5222, 47.7397, 86.6467 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(36, 200, 236)` looks like.

```
.text, #text, p{  
    color:rgb(36, 200, 236)  
}
```

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(36, 200, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 200, 236) }
```

Border

The CSS property to change the border of an element to XYZ 36.5222, 47.7397, 86.6467 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(36, 200, 236) }
```


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

```
.border{ border-color:rgb(36, 200, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 200, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 200, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 200, 236);  
box-shadow:4px 4px 4px 4px rgb(36, 200,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5222, 47.7397, 86.6467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 200, 236) }
```

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

```
.background{ background-color: rgb(36, 200,  
236) }
```

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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