

Converting Colors

XYZ(32.8608, 41.0747, 86.3158)

Have a look what the booklet for
XYZ(32.8608, 41.0747, 86.3158)
contains.

XYZ(32.7602, 40.8769, 86.2841)	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(32.7602, 40.8769,
86.2841)**

Conversions

Conversions Part 1

Format	Color
Hex	0AB9ED
RGB	10, 185, 237
RGB Percent	4%, 73%, 93%
CMY	0.9605, 0.2745, 0.0706
CMYK	0.96, 0.22, 0.00, 0.07
HSL	194°, 92%, 48%
HSV	194°, 96%, 93%
XYZ	32.7602, 40.8769, 86.2841
YIQ	138.6030, -120.9920, -20.9280

Conversions

Conversions Part 2

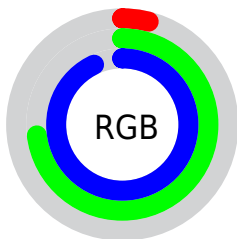
Format	Color
RYB	10, 109, 237
Decimal	702957
CIELab	70.09, -20.51, -36.65
CIELCh	70, 41.995, 240.769
Yxy	40.8769, 0.2049, 0.2556
Android (android.graphics.Color)	4278893037 (0xFF0AB9ED)
YUV	138.6030, 48.5097, -112.7848
Hunter-Lab	63.9350, -20.4233, -35.2608

Details

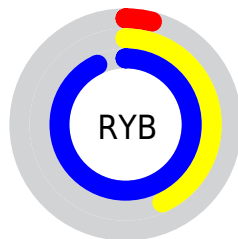
The XYZ color **32.7602, 40.8769, 86.2841** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **36.7066, 21.4789, 2.5002**, and the grayscale version is **24.2491, 25.5119, 27.7825**.

A 20% lighter version of the original color is **56.0608, 73.5101, 105.8419**, and **16.5918, 19.8387, 46.6708** is the 20% darker color. If you saturate the color by 10%, you get **32.1571, 39.8563, 86.1197**, and if you desaturate by 10%, it is **34.4455, 43.4652, 86.6957**.

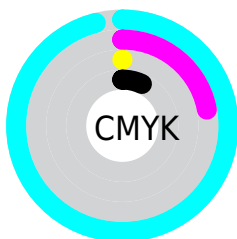
Distribution



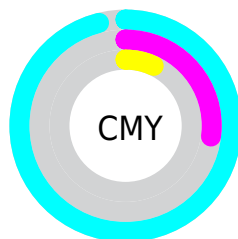
- Red (4%)
- Green (73%)
- Blue (93%)



- Red (4%)
- Yellow (43%)
- Blue (93%)



- Cyan (96%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)



- Cyan (96%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7602, 40.8769, 86.2841 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 32.7602, 40.8769, 86.2841 by changing the saturation by 10% instead.

■ 32.7602, 40.8769,
86.2841

■ 32.7602, 40.8769,
86.2841

306.2519,
349.8059, 536.1225

■ 22.1012, 28.2229,
64.3467

■ 63.3581, 76.4970,
144.0559

■ 14.0483, 18.4938,
46.4835

■ 84.0278, 100.2319,
180.7274

■ 8.2362, 11.3051,
32.2762

■ 108.7650,
128.4292, 223.1474

■ 4.2995, 6.2724,
21.3060

■ 137.9351,
161.4733, 271.7343

■ 1.8729, 3.0114,
13.1544

■ 171.9035,
199.7486, 326.9067

■ 0.5610, 1.1377,
7.4030

211.0355,

■ 0.0000, 0.0099,

243.6396, 389.0832

3.6331

255.6965,
293.5305, 458.6823

■ 0.0000, 0.0000,
1.4263

■ 0.0000, 0.0000,
0.1621

■ 32.7602, 40.8769,
86.2841

■ 32.7602, 40.8769,
86.2841

■ 32.1571, 39.8563,
86.1197

■ 34.4455, 43.4652,
86.6957

■ 36.7093, 46.4162,
87.1460

■ 39.6489, 49.7815,
87.6406

■ 43.3421, 53.6017,
88.1833

■ 47.8557, 57.9120,
88.7774

■ 53.2487, 62.7434,
89.4257

■ 59.5747, 68.1242,
90.1309

■ 66.8826, 74.0804,
90.8954

■ 75.2180, 80.6360,
91.7214

Harmonies

Analogous

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



28.5846, 40.8769, 66.7663



32.7602, 40.8769, 86.2841



39.0296, 40.8769, 93.9761

Triad

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



32.7602, 40.8769, 86.2841



53.5907, 40.8769, 44.0029



32.4873, 40.8769, 19.2998

Complementary

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



32.7602, 40.8769, 86.2841



36.7066, 21.4789, 2.5002

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.



38.6755, 40.8769, 16.4125



32.7602, 40.8769, 86.2841



51.3241, 40.8769, 27.8442

Square

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



32.7602, 40.8769, 86.2841



51.5376, 40.8769, 65.6222



45.6563, 40.8769, 19.0108



28.4406, 40.8769, 28.4915

Rectangle

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



32.7602, 40.8769, 86.2841



43.7200, 40.8769, 89.9989



45.6563, 40.8769, 19.0108



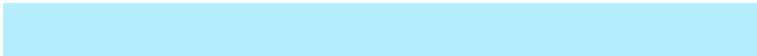
34.3600, 40.8769, 17.7057

Sweetspot

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



32.7616, 40.8783, 86.2851



67.7085, 78.2312, 106.1393



31.2060, 60.9521, 14.2898



13.8131, 16.1654, 22.6422



0.0000, 0.0000, 0.0000



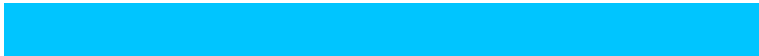
20.3446, 21.4041, 23.3091

Same Dimension

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



32.7616, 40.8783, 86.2851



37.9190, 46.9579, 101.6730



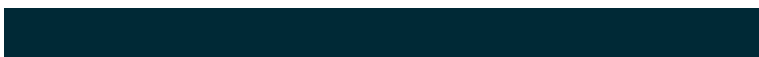
17.8853, 11.1256, 81.3263



15.2080, 16.5025, 19.3060



17.6603, 21.9677, 47.0523



1.4580, 1.8674, 3.7185

Inverse Universe

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



43.7918, 21.7261, 47.7857



51.2689, 25.2716, 54.7417



49.8671, 47.7999, 6.8870



15.5586, 15.2513, 18.2267



23.7694, 11.7105, 25.6508



1.9024, 0.9339, 2.2035

Previews

White Background



This preview shows how the XYZ color 32.7602, 40.8769, 86.2841 looks on a white background.

Color Contrast Check

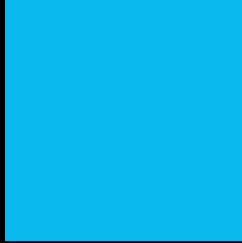
Large Text (above 18pt) WCAG AA × Fail

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 32.7602, 40.8769, 86.2841 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 32.7602, 40.8769, 86.2841

Background



This preview shows how black text looks on a background with the XYZ color 32.7602, 40.8769, 86.2841.



This preview shows how white text looks on a background with the XYZ color 32.7602, 40.8769,

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

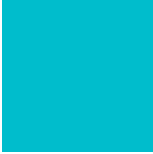
32.7602, 40.8769, 86.2841

Protanopia

40.9747, 40.3556, 76.1508

Deuteranopia

41.3814, 40.2854, 88.8139



Tritanopia

29.0967, 40.7548, 63.4597

Trichromacy



Original Color

32.7602, 40.8769, 86.2841



Protanomaly

34.7584, 38.7540, 79.7771



Deuteranomaly

35.5835, 38.9963, 88.0897



Tritanomaly

30.4280, 40.9501, 71.2662

Monochromacy



Original Color

32.7602, 40.8769, 86.2841



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

24.0400, 29.1474, 44.9164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7602, 40.8769, 86.2841 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(10, 185, 237)` looks like.

```
.text, #text, p{  
    color:rgb(10, 185, 237)  
}
```

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(10, 185, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 185, 237) }
```

Border

The CSS property to change the border of an element to XYZ 32.7602, 40.8769, 86.2841 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(10, 185, 237) }
```


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

```
.border{ border-color:rgb(10, 185, 237) }
```

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

Here you see how a box with a 4 pixel rgb(10, 185, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 185, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 185, 237);  
box-shadow:4px 4px 4px 4px rgb(10, 185,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7602, 40.8769, 86.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 185, 237) }
```

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

```
.background{ background-color: rgb(10, 185,  
237) }
```

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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