

Converting Colors

XYZ(34.7274, 44.4785, 82.9984)

Have a look what the booklet for
XYZ(34.7274, 44.4785, 82.9984)
contains.

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Color

**XYZ(34.7622, 44.5470,
83.1102)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC1E8
RGB	46, 193, 232
RGB Percent	18%, 76%, 91%
CMY	0.8195, 0.2431, 0.0902
CMYK	0.80, 0.17, 0.00, 0.09
HSL	193°, 80%, 55%
HSV	193°, 80%, 91%
XYZ	34.7622, 44.5470, 83.1102
YIQ	153.4930, -100.1310, -19.0350

Conversions

Conversions Part 2

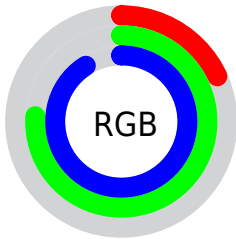
Format	Color
R _{YB}	46, 128, 232
Decimal	3064296
CIE Lab	72.59, -24.30, -30.03
CIE LCh	73, 38.631, 231.029
Yxy	44.5470, 0.2140, 0.2743
Android (android.graphics.Color)	4281254376 (0xFF2EC1E8)
YUV	153.4930, 38.7040, -94.2714
Hunter-Lab	66.7435, -23.8326, -27.1084

Details

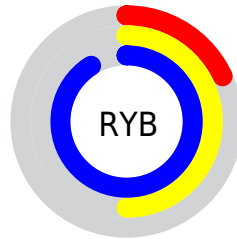
The XYZ color **34.7622, 44.5470, 83.1102** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **37.0223, 23.8529, 5.2393**, and the grayscale version is **30.3636, 31.9449, 34.7880**.

A 20% lighter version of the original color is **60.4040, 79.8022, 106.8275**, and **17.0691, 21.5998, 44.3438** is the 20% darker color. If you saturate the color by 10%, you get **32.9275, 42.0316, 82.7223**, and if you desaturate by 10%, it is **37.1991, 47.4270, 83.5385**.

Distribution



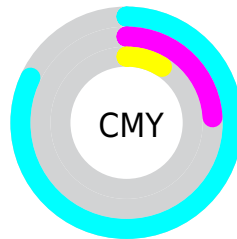
- Red (18%)
- Green (76%)
- Blue (91%)



- Red (18%)
- Yellow (50%)
- Blue (91%)



- Cyan (80%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



- Cyan (82%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7622, 44.5470, 83.1102 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 34.7622, 44.5470, 83.1102 by changing the saturation by 10% instead.

■ 34.7622, 44.5470,
83.1102

■ 34.7622, 44.5470,
83.1102

315.0439,
364.9358, 525.3343

■ 23.6454, 31.1008,
61.7399

■ 66.4537, 82.0402,
139.5804

■ 15.1941, 20.6756,
44.3882

■ 87.7591, 106.8560,
175.5174

■ 9.0429, 12.8871,
30.6363

■ 113.1913,
136.2304, 217.1471

■ 4.8265, 7.3508,
20.0660

■ 143.1159,
170.5478, 264.8880

■ 2.1795, 3.6825,
12.2584

■ 177.8981,
210.1927, 319.1586

■ 0.7319, 1.4976,
6.7953

217.9032,

■ 0.0000, 0.2870,

255.5494, 380.3775

3.2579

263.4967,
307.0023, 448.9632

■ 0.0000, 0.0000,
1.2278

■ 0.0000, 0.0000,
0.0015

■ 34.7622, 44.5470,
83.1102

■ 34.7622, 44.5470,
83.1102

■ 32.9275, 42.0316,
82.7223

■ 37.1991, 47.4270,
83.5385

■ 31.5721, 39.8392,
82.3705

■ 40.3139, 50.7086,
84.0078

■ 44.1751, 54.4286,
84.5223

■ 48.8418, 58.6177,
85.0849

■ 54.3667, 63.3037,
85.6982

■ 60.7980, 68.5119,
86.3645

■ 68.1803, 74.2657,
87.0860

■ 76.5550, 80.5870,
87.8648

■ 85.9611, 87.4962,
88.7026

Harmonies

Analogous

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



31.4434, 44.5470, 62.9445



34.7622, 44.5470, 83.1102



40.3683, 44.5470, 94.6923

Triad

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



34.7622, 44.5470, 83.1102



56.3439, 44.5470, 54.4720



37.8949, 44.5470, 21.6247

Complementary

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



34.7622, 44.5470, 83.1102



37.0223, 23.8529, 5.2393

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.



44.3761, 44.5470, 20.4779



34.7622, 44.5470, 83.1102



55.5029, 44.5470, 36.4606

Square

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



34.7622, 44.5470, 83.1102



53.1373, 44.5470, 75.5261



50.9474, 44.5470, 25.1496



33.1154, 44.5470, 28.8451

Rectangle

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



34.7622, 44.5470, 83.1102



44.8467, 44.5470, 94.3342



50.9474, 44.5470, 25.1496



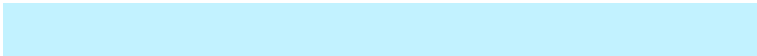
39.9296, 44.5470, 20.6073

Sweetspot

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



34.7637, 44.5486, 83.1113



72.0487, 82.2667, 106.6894



31.5541, 58.9230, 17.9372



14.8172, 17.1176, 22.7730



0.0000, 0.0000, 0.0000



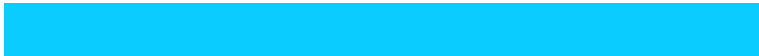
20.3446, 21.4041, 23.3091

Same Dimension

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



34.7637, 44.5486, 83.1113



39.6918, 50.3141, 102.2273



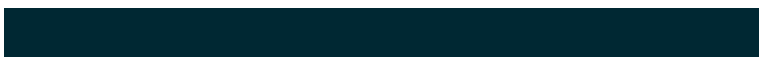
20.4261, 15.8734, 78.3321



14.5374, 15.7963, 18.4271



17.6215, 22.3051, 45.7597



1.3667, 1.7773, 3.4030

Inverse Universe

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



43.8827, 22.9617, 52.5728



52.2100, 25.8252, 59.1514



49.3383, 48.4849, 9.3447



14.8589, 14.5607, 17.4572



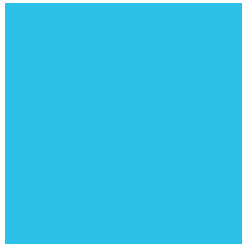
23.2880, 11.4494, 26.2094



1.7535, 0.8591, 2.1083

Previews

White Background



This preview shows how the XYZ color 34.7622, 44.5470, 83.1102 looks on a white background.

Color Contrast Check

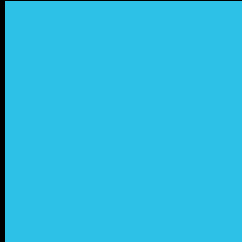
Large Text (above 18pt) WCAG AA × Fail

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 34.7622, 44.5470, 83.1102 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 34.7622, 44.5470, 83.1102

Background



This preview shows how black text looks on a background with the XYZ color 34.7622, 44.5470, 83.1102.

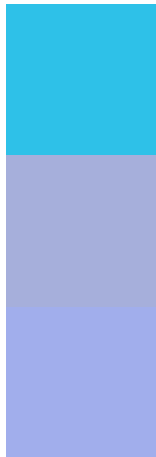


This preview shows how white text looks on a background with the XYZ color 34.7622, 44.5470,

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

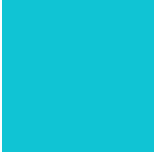
34.7622, 44.5470, 83.1102

Protanopia

43.8420, 43.8814, 73.1771

Deuteranopia

44.9743, 43.9053, 85.4610



Tritanopia

31.8373, 44.3435, 69.1685

Trichromacy



Original Color

34.7622, 44.5470, 83.1102



Protanomaly

38.2085, 42.9753, 76.8023



Deuteranomaly

39.1270, 42.9678, 84.8287



Tritanomaly

32.7533, 44.3777, 73.8573

Monochromacy



Original Color

34.7622, 44.5470, 83.1102



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.3856, 34.9601, 49.4552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7622, 44.5470, 83.1102 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(46, 193, 232)` looks like.

```
.text, #text, p{  
    color:rgb(46, 193, 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(46, 193, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 193, 232) }
```

Border

The CSS property to change the border of an element to XYZ 34.7622, 44.5470, 83.1102 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(46, 193, 232) }
```


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

```
.border{ border-color:rgb(46, 193, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 193, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 193, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 193, 232);  
box-shadow:4px 4px 4px 4px rgb(46, 193,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7622, 44.5470, 83.1102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 193, 232) }
```

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

```
.background{ background-color: rgb(46, 193,  
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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