

Converting Colors

XYZ(33.4262, 44.5670, 78.1802)

Have a look what the booklet for
XYZ(33.4262, 44.5670, 78.1802)
contains.

XYZ(33.4591, 44.6486, 78.0887)	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(33.4591, 44.6486,
78.0887)**

Conversions

Conversions Part 1

Format	Color
Hex	17C3E1
RGB	23, 195, 225
RGB Percent	9%, 76%, 88%
CMY	0.9097, 0.2353, 0.1176
CMYK	0.90, 0.13, 0.00, 0.12
HSL	189°, 81%, 49%
HSV	189°, 90%, 88%
XYZ	33.4591, 44.6486, 78.0887
YIQ	146.9920, -112.1420, -27.1340

Conversions

Conversions Part 2

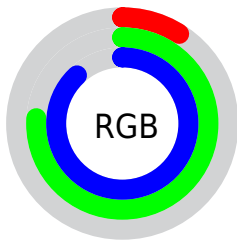
Format	Color
R_{YB}	23, 116, 225
Decimal	1557473
CIE _{Lab}	72.66, -29.11, -26.16
CIE _{LCh}	73, 39.138, 221.944
Yxy	44.6486, 0.2142, 0.2858
Android (android.graphics.Color)	4279747553 (0xFF17C3E1)
YUV	146.9920, 38.4579, -108.7410
Hunter-Lab	66.8196, -27.5526, -22.5155

Details

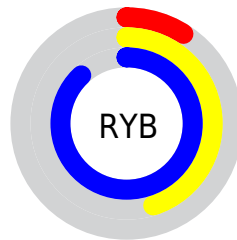
The XYZ color **33.4591, 44.6486, 78.0887** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.4813, 18.6189, 2.6943**, and the grayscale version is **27.6138, 29.0519, 31.6375**.

A 20% lighter version of the original color is **59.6705, 80.3515, 106.9722**, and **16.7806, 21.9520, 41.3829** is the 20% darker color. If you saturate the color by 10%, you get **32.3726, 42.9901, 77.8267**, and if you desaturate by 10%, it is **34.9695, 46.5522, 78.3774**.

Distribution



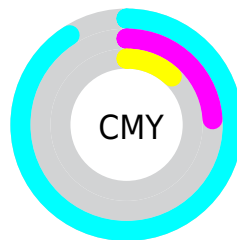
- Red (9%)
- Green (76%)
- Blue (88%)



- Red (9%)
- Yellow (45%)
- Blue (88%)



- Cyan (90%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)



- Cyan (91%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4591, 44.6486, 78.0887 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 33.4591, 44.6486, 78.0887 by changing the saturation by 10% instead.

■ 33.4591, 44.6486,
78.0887

■ 33.4591, 44.6486,
78.0887

309.3419,
365.3485, 508.0039

■ 22.6393, 31.1807,
57.6300

■ 64.4415, 82.1928,
132.4622

■ 14.4466, 20.7365,
41.0985

■ 85.3349, 107.0380,
167.2140

■ 8.5157, 12.9315,
28.0758

■ 110.3168,
136.4444, 207.5672

■ 4.4812, 7.3814,
18.1433

■ 139.7526,
170.7964, 253.9404

■ 1.9778, 3.7018,
10.8824

■ 174.0076,
210.4784, 306.7522

■ 0.6215, 1.5082,
5.8746

213.4473,

■ 0.0000, 0.2945,

255.8749, 366.4210

2.7014

258.4370,
307.3701, 433.3654

■ 0.0000, 0.0000,
0.9442

■ 0.0000, 0.0000,
0.0000

■ 33.4591, 44.6486,
78.0887

■ 33.4591, 44.6486,
78.0887

■ 32.3726, 42.9901,
77.8267

■ 34.9695, 46.5522,
78.3774

■ 32.3486, 42.9519,
77.8206

■ 37.0241, 48.7606,
78.6954

■ 39.6975, 51.3131,
79.0472

■ 43.0516, 54.2419,
79.4357

■ 47.1404, 57.5750,
79.8635

■ 52.0125, 61.3376,
80.3330

■ 57.7123, 65.5526,
80.8462

■ 64.2808, 70.2415,
81.4050

■ 71.7562, 75.4240,
82.0113

Harmonies

Analogous

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



30.9164, 44.6486, 56.7593



33.4591, 44.6486, 78.0887



38.5228, 44.6486, 93.4605

Triad

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



33.4591, 44.6486, 78.0887



56.0798, 44.6486, 61.1315



39.7956, 44.6486, 20.4689

Complementary

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



33.4591, 44.6486, 78.0887



32.4813, 18.6189, 2.6943

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.



46.6081, 44.6486, 21.0534



33.4591, 44.6486, 78.0887



56.5142, 44.6486, 41.2891

Square

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



33.4591, 44.6486, 78.0887



51.7623, 44.6486, 82.0144



52.8927, 44.6486, 27.6834



34.3052, 44.6486, 25.7938

Rectangle

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



33.4591, 44.6486, 78.0887



42.8809, 44.6486, 96.2988



52.8927, 44.6486, 27.6834



41.9964, 44.6486, 20.0301

Sweetspot

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



33.4606, 44.6502, 78.0898



70.9201, 82.8458, 106.8607



27.8546, 54.2636, 12.0193



14.6569, 17.3391, 22.8242



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.



33.4606, 44.6502, 78.0898



42.8949, 56.9098, 103.3316



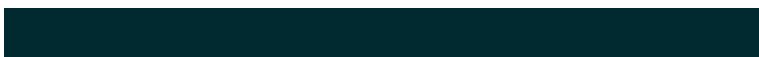
18.2278, 14.1847, 73.0122



13.9340, 15.2072, 17.5886



18.7085, 24.8865, 44.8659



1.3446, 1.8206, 3.1258

Inverse Universe

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



41.2094, 20.5621, 53.4281



53.7806, 26.2762, 67.9676



42.2647, 38.1858, 5.9554



14.2029, 13.8988, 16.8388



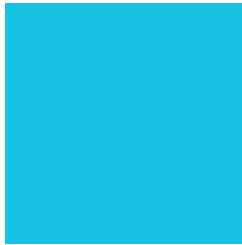
23.3834, 11.4204, 29.7483



1.6449, 0.8012, 2.1891

Previews

White Background



This preview shows how the XYZ color 33.4591, 44.6486, 78.0887 looks on a white background.

Color Contrast Check

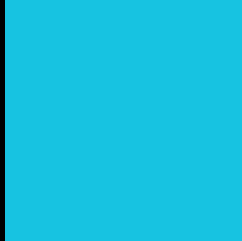
Large Text (above 18pt) WCAG AA × Fail

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 33.4591, 44.6486, 78.0887 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

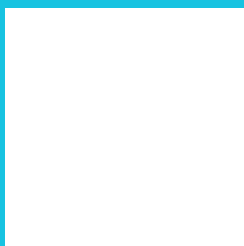
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4591, 44.6486, 78.0887

Background



This preview shows how black text looks on a background with the XYZ color 33.4591, 44.6486, 78.0887.

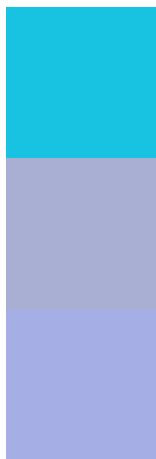


This preview shows how white text looks on a background with the XYZ color 33.4591, 44.6486,

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

33.4591, 44.6486, 78.0887

Protanopia

43.4500, 43.7981, 67.7918

Deuteranopia

45.1449, 44.0923, 80.9942



Tritanopia

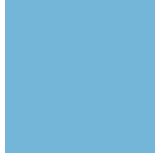
31.9765, 44.7366, 69.9005

Trichromacy



Original Color

33.4591, 44.6486, 78.0887



Protanomaly

36.3251, 42.1268, 71.1825



Deuteranomaly

37.6710, 42.6347, 79.6426



Tritanomaly

32.3645, 44.5412, 72.5372

Monochromacy



Original Color

33.4591, 44.6486, 78.0887



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.4928, 32.4708, 45.4286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4591, 44.6486, 78.0887 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(23, 195, 225)` looks like.

```
.text, #text, p{  
  color:rgb(23, 195, 225)  
}
```

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(23, 195, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 195, 225) }
```

Border

The CSS property to change the border of an element to XYZ 33.4591, 44.6486, 78.0887 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(23, 195, 225) }
```


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

```
.border{ border-color:rgb(23, 195, 225) }
```

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

Here you see how a box with a 4 pixel rgb(23, 195, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 195, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 195, 225);  
box-shadow:4px 4px 4px 4px rgb(23, 195,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4591, 44.6486, 78.0887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 195, 225) }
```

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

```
.background{ background-color: rgb(23, 195,  
225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor