

Converting Colors

XYZ(33.2180, 44.2551, 75.1979)

Have a look what the booklet for
XYZ(33.2180, 44.2551, 75.1979)
contains.

XYZ(33.2180, 44.2551, 75.1979)	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(33.2180, 44.2551,
75.1979)**

Conversions

Conversions Part 1

Format	Color
Hex	28C2DD
RGB	40, 194, 221
RGB Percent	16%, 76%, 87%
CMY	0.8431, 0.2392, 0.1333
CMYK	0.82, 0.12, 0.00, 0.13
HSL	189°, 73%, 51%
HSV	189°, 82%, 87%
XYZ	33.2180, 44.2551, 75.1979
YIQ	151.0320, -100.4510, -24.2510

Conversions

Conversions Part 2

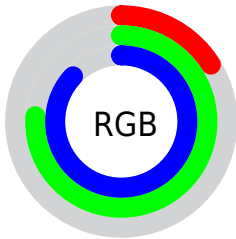
Format	Color
RYB	40, 123, 221
Decimal	2671325
CIELab	72.40, -28.83, -24.37
CIElCh	72, 37.756, 220.207
Yxy	44.2551, 0.2176, 0.2899
Android (android.graphics.Color)	4280861405 (0xFF28C2DD)
YUV	151.0320, 34.4942, -97.3751
Hunter-Lab	66.5245, -27.2866, -20.4530

Details

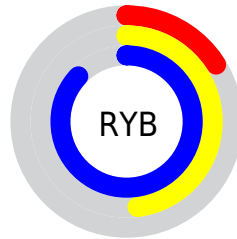
The XYZ color **33.2180, 44.2551, 75.1979** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.2106, 19.5420, 4.0834**, and the grayscale version is **29.3198, 30.8467, 33.5920**.

A 20% lighter version of the original color is **60.0184, 80.0659, 106.8987**, and **16.2610, 21.5093, 39.3711** is the 20% darker color. If you saturate the color by 10%, you get **31.8659, 42.4817, 74.9277**, and if you desaturate by 10%, it is **35.0796, 46.3171, 75.4986**.

Distribution



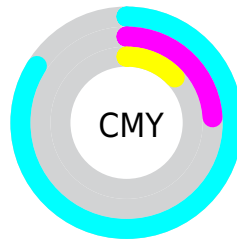
- Red (16%)
- Green (76%)
- Blue (87%)



- Red (16%)
- Yellow (48%)
- Blue (87%)



- Cyan (82%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (84%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2180, 44.2551, 75.1979 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 33.2180, 44.2551, 75.1979 by changing the saturation by 10% instead.

33.2180, 44.2551,
75.1979

33.2180, 44.2551,
75.1979

308.2786,
363.7483, 497.8711

22.4535, 30.8711,
55.2723

64.0681, 81.6015,
128.3421

14.3090, 20.5007,
39.2197

84.8845, 106.3326,
162.3979

8.4190, 12.7595,
26.6216

109.7822,
135.6150, 202.0007

4.4183, 7.2632,
17.0593

139.1267,
169.8329, 247.5693

1.9414, 3.6272,
10.1144

173.2832,
209.3708, 299.5221

0.6007, 1.4673,
5.3683

212.6171,

0.0000, 0.2655,

254.6131, 358.2776

2.4024

257.4937,
305.9441, 424.2544

■ 0.0000, 0.0000,
0.7878

■ 0.0000, 0.0000,
0.0000

■ 33.2180, 44.2551,
75.1979

■ 33.2180, 44.2551,
75.1979

■ 31.8659, 42.4817,
74.9277

■ 35.0796, 46.3171,
75.4986

■ 31.0415, 41.2009,
74.7239

■ 37.5197, 48.7007,
75.8301

■ 40.6006, 51.4392,
76.1963

■ 44.3754, 54.5600,
76.5997

■ 48.8917, 58.0878,
77.0426

■ 54.1926, 62.0451,
77.5271

■ 60.3181, 66.4525,
78.0549

■ 67.3053, 71.3293,
78.6280

■ 75.1889, 76.6936,
79.2479

Harmonies

Analogous

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



30.9181, 44.2551, 54.8147



33.2180, 44.2551, 75.1979



37.9694, 44.2551, 90.3456

Triad

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



33.2180, 44.2551, 75.1979



54.9595, 44.2551, 61.3584



39.8861, 44.2551, 20.8366

Complementary

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



33.2180, 44.2551, 75.1979



32.2106, 19.5420, 4.0834

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.



46.4410, 44.2551, 21.7349



33.2180, 44.2551, 75.1979



55.6085, 44.2551, 42.1150

Square

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



33.2180, 44.2551, 75.1979



50.6625, 44.2551, 81.0362



52.3537, 44.2551, 28.5685



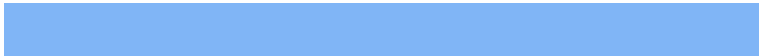
34.4965, 44.2551, 25.6849

Rectangle

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



33.2180, 44.2551, 75.1979



42.1083, 44.2551, 93.6004



52.3537, 44.2551, 28.5685



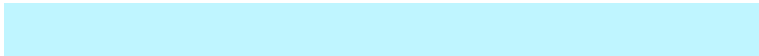
42.0180, 44.2551, 20.5143

Sweetspot

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



33.2194, 44.2567, 75.1990



72.3996, 83.9304, 106.9921



27.6622, 52.5369, 13.5555



14.9416, 17.5501, 22.8500



0.0000, 0.0000, 0.0000



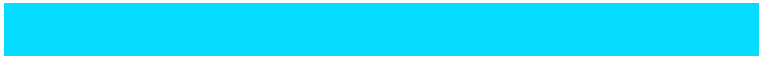
20.3446, 21.4041, 23.3091

Same Dimension

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



33.2194, 44.2567, 75.1990



43.1128, 57.2508, 103.3860



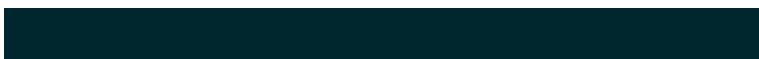
19.1202, 16.0583, 70.4993



13.2708, 14.4813, 16.7479



18.0983, 24.0661, 43.4297



1.2184, 1.6510, 2.8289

Inverse Universe

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



40.3165, 20.7863, 52.9277



53.9137, 26.4180, 68.3956



41.8641, 38.8490, 7.3013



13.5265, 13.2397, 16.0339



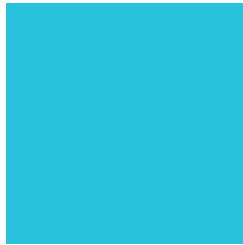
22.6305, 11.0533, 28.7641



1.4893, 0.7254, 1.9856

Previews

White Background



This preview shows how the XYZ color 33.2180, 44.2551, 75.1979 looks on a white background.

Color Contrast Check

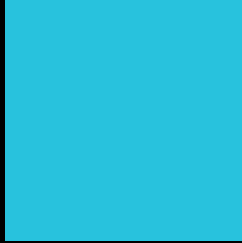
Large Text (above 18pt) WCAG AA × Fail

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 33.2180, 44.2551, 75.1979 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

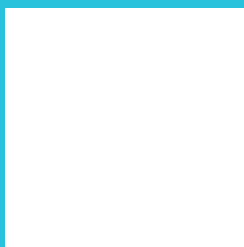
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2180, 44.2551, 75.1979

Background



This preview shows how black text looks on a background with the XYZ color 33.2180, 44.2551, 75.1979.



This preview shows how white text looks on a background with the XYZ color 33.2180, 44.2551,

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

33.2180, 44.2551, 75.1979

Protanopia

43.2927, 43.7601, 65.8393

Deuteranopia

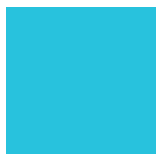
44.6074, 43.5936, 78.0149



Tritanopia

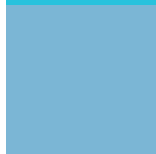
31.9498, 44.4160, 68.5172

Trichromacy



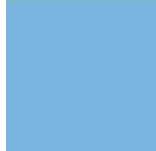
Original Color

33.2180, 44.2551, 75.1979



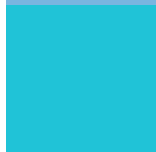
Protanomaly

36.9066, 42.4709, 69.2033



Deuteranomaly

37.8636, 42.4945, 76.7276



Tritanomaly

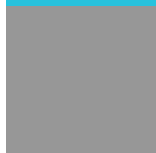
32.3765, 44.2436, 71.1234

Monochromacy



Original Color

33.2180, 44.2551, 75.1979



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

28.2107, 34.1515, 46.1793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2180, 44.2551, 75.1979 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(40, 194, 221)` looks like.

```
.text, #text, p{  
    color:rgb(40, 194, 221)  
}
```

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(40, 194, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 194, 221) }
```

Border

The CSS property to change the border of an element to XYZ 33.2180, 44.2551, 75.1979 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(40, 194, 221) }
```


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

```
.border{ border-color:rgb(40, 194, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 194, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 194, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 194, 221);  
box-shadow:4px 4px 4px 4px rgb(40, 194,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2180, 44.2551, 75.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 194, 221) }
```

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

```
.background{ background-color: rgb(40, 194,  
221) }
```

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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