

Converting Colors

XYZ(33.3319, 42.1467, 84.9755)

Have a look what the booklet for
XYZ(33.3319, 42.1467, 84.9755)
contains.

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Color

**XYZ(33.3320, 42.1468,
84.9756)**

Conversions

Conversions Part 1

Format	Color
Hex	17BCEB
RGB	23, 188, 235
RGB Percent	9%, 74%, 92%
CMY	0.9097, 0.2627, 0.0784
CMYK	0.90, 0.20, 0.00, 0.08
HSL	193°, 84%, 51%
HSV	193°, 90%, 92%
XYZ	33.3320, 42.1468, 84.9756
YIQ	144.0230, -113.4270, -20.3630

Conversions

Conversions Part 2

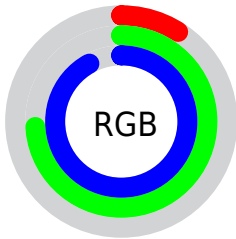
Format	Color
R _Y B	23, 116, 235
Decimal	1555691
CIE Lab	70.97, -22.28, -34.19
CIE LCh	71, 40.807, 236.902
Yxy	42.1468, 0.2077, 0.2627
Android (android.graphics.Color)	4279745771 (0xFF17BCEB)
YUV	144.0230, 44.8517, -106.1372
Hunter-Lab	64.9206, -21.9642, -32.1613

Details

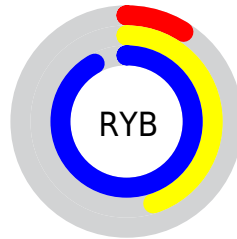
The XYZ color **33.3320, 42.1468, 84.9756** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **36.6086, 22.1089, 3.1504**, and the grayscale version is **26.3811, 27.7550, 30.2252**.

A 20% lighter version of the original color is **57.3401, 75.4988, 106.1583**, and **16.8007, 20.5826, 45.7352** is the 20% darker color. If you saturate the color by 10%, you get **31.9073, 39.8218, 84.6028**, and if you desaturate by 10%, it is **35.2636, 44.8258, 85.3917**.

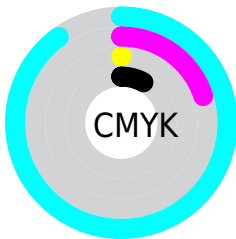
Distribution



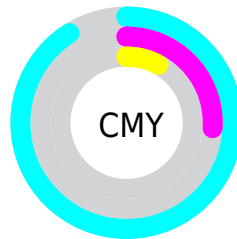
- Red (9%)
- Green (74%)
- Blue (92%)



- Red (9%)
- Yellow (45%)
- Blue (92%)



- Cyan (90%)
- Magenta (20%)
- Yellow (0%)
- Black (8%)



- Cyan (91%)
- Magenta (26%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3320, 42.1468, 84.9756 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 33.3320, 42.1468, 84.9756 by changing the saturation by 10% instead.

33.3320, 42.1468,
84.9756

33.3320, 42.1468,
84.9756

308.7817,
355.0911, 531.6898

22.5414, 29.2163,
63.2712

64.2447, 78.4218,
142.2129

14.3740, 19.2445,
45.6182

85.0975, 102.5350,
178.5830

8.4647, 11.8471,
31.5982

110.0351,
131.1445, 220.6786

4.4480, 6.6396,
20.7925

139.4228,
164.6348, 268.9184

1.9586, 3.2378,
12.7826

173.6259,
203.3902, 323.7208

0.6105, 1.2571,
7.1501

213.0099,

0.0000, 0.1076,

247.7951, 385.5045

3.4763

257.9400,
298.2340, 454.6880

■ 0.0000, 0.0000,
1.3427

■ 0.0000, 0.0000,
0.0964

■ 33.3320, 42.1468,
84.9756

■ 33.3320, 42.1468,
84.9756

■ 31.9073, 39.8218,
84.6028

■ 35.2636, 44.8258,
85.3917

■ 37.8150, 47.8838,
85.8475

■ 41.0702, 51.3655,
86.3480

■ 45.0989, 55.3075,
86.8965

■ 49.9619, 59.7416,
87.4961

■ 55.7139, 64.6966,
88.1493

■ 62.4045, 70.1987,
88.8587

■ 70.0798, 76.2723,
89.6265

■ 78.7828, 82.9399,
90.4548

Harmonies

Analogous

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



29.4891, 42.1468, 65.0155



33.3320, 42.1468, 84.9756



39.3565, 42.1468, 94.3873

Triad

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



33.3320, 42.1468, 84.9756



54.5931, 42.1468, 47.9451



34.4269, 42.1468, 19.9325

Complementary

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



33.3320, 42.1468, 84.9756



36.6086, 22.1089, 3.1504

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.



40.7703, 42.1468, 17.7253



33.3320, 42.1468, 84.9756



52.8943, 42.1468, 30.9405

Square

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



33.3320, 42.1468, 84.9756



52.0481, 42.1468, 69.5398



47.6358, 42.1468, 21.1163



30.0692, 42.1468, 28.3219

Rectangle

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



33.3320, 42.1468, 84.9756



43.9843, 42.1468, 91.8808



47.6358, 42.1468, 21.1163



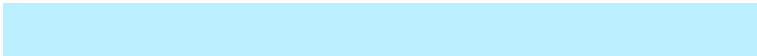
36.3750, 42.1468, 18.5677

Sweetspot

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



33.3334, 42.1483, 84.9767



69.4180, 79.8416, 106.3600



31.1358, 60.0291, 15.5697



14.2979, 16.6211, 22.7046



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.



33.3334, 42.1483, 84.9767



38.3493, 47.8185, 101.8164



18.4500, 12.3815, 80.0155



15.2179, 16.5223, 19.3093



17.8567, 22.3603, 47.1178



1.4719, 1.8952, 3.7231

Inverse Universe

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



43.6458, 21.9075, 49.5065



51.4861, 25.3585, 55.8854



49.7354, 48.3626, 7.5260



15.5635, 15.2533, 18.2529



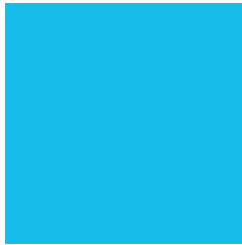
23.8685, 11.7501, 26.1727



1.9094, 0.9367, 2.2404

Previews

White Background



This preview shows how the XYZ color 33.3320, 42.1468, 84.9756 looks on a white background.

Color Contrast Check

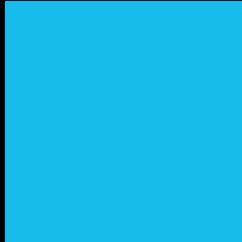
Large Text (above 18pt) WCAG AA × Fail

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 33.3320, 42.1468, 84.9756 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 33.3320, 42.1468, 84.9756

Background



This preview shows how black text looks on a background with the XYZ color 33.3320, 42.1468, 84.9756.



This preview shows how white text looks on a background with the XYZ color 33.3320, 42.1468,

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

33.3320, 42.1468, 84.9756

Protanopia

41.8576, 41.3943, 74.8910

Deuteranopia

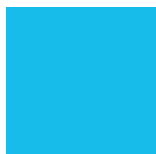
42.5324, 41.4655, 87.4233



Tritanopia

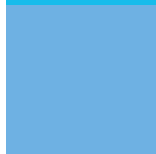
30.1121, 42.2043, 65.5906

Trichromacy



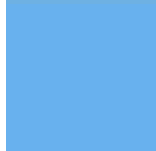
Original Color

33.3320, 42.1468, 84.9756



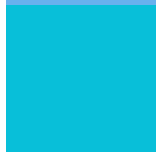
Protanomaly

36.0177, 40.3053, 78.5544



Deuteranomaly

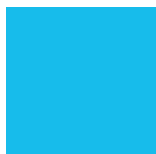
36.8637, 40.5604, 86.7749



Tritanomaly

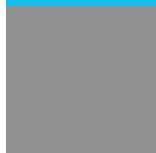
31.2553, 42.3230, 72.1675

Monochromacy



Original Color

33.3320, 42.1468, 84.9756



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.7621, 31.0253, 46.2256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3320, 42.1468, 84.9756 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, 188, 235)` looks like.

```
.text, #text, p{  
    color:rgb(23, 188, 235)  
}
```

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, 188, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 188, 235) }
```

Border

The CSS property to change the border of an element to XYZ 33.3320, 42.1468, 84.9756 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, 188, 235) }
```


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

```
.border{ border-color:rgb(23, 188, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 188, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 188, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 188, 235);  
box-shadow:4px 4px 4px 4px rgb(23, 188,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3320, 42.1468, 84.9756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 188, 235) }
```

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

```
.background{ background-color: rgb(23, 188,  
235) }
```

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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