

Converting Colors

XYZ(33.2258, 44.4958, 66.8498)

Have a look what the booklet for
XYZ(33.2258, 44.4958, 66.8498)
contains.

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Color

**XYZ(33.2547, 44.4522,
67.1490)**

Conversions

Conversions Part 1

Format	Color
Hex	45C2D1
RGB	69, 194, 209
RGB Percent	27%, 76%, 82%
CMY	0.7294, 0.2392, 0.1804
CMYK	0.67, 0.07, 0.00, 0.18
HSL	186°, 60%, 55%
HSV	186°, 67%, 82%
XYZ	33.2547, 44.4522, 67.1490
YIQ	158.3350, -79.3150, -21.8350

Conversions

Conversions Part 2

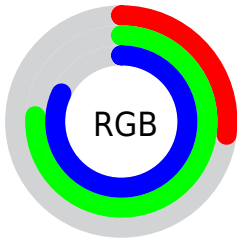
Format	Color
R _Y B	69, 135, 209
Decimal	4571857
CIE Lab	72.53, -29.27, -17.60
CIE LCh	73, 34.154, 211.019
Yxy	44.4522, 0.2296, 0.3069
Android (android.graphics.Color)	4282761937 (0xFF45C2D1)
YUV	158.3350, 24.9778, -78.3468
Hunter-Lab	66.6725, -27.6452, -13.0430

Details

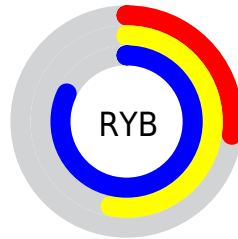
The XYZ color **33.2547, 44.4522, 67.1490** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.5403, 20.3272, 7.9457**, and the grayscale version is **32.5691, 34.2652, 37.3148**.

A 20% lighter version of the original color is **62.3787, 81.2827, 107.0092**, and **15.2945, 21.1227, 34.2813** is the 20% darker color. If you saturate the color by 10%, you get **31.5306, 42.8301, 66.9276**, and if you desaturate by 10%, it is **35.5110, 46.3617, 67.3995**.

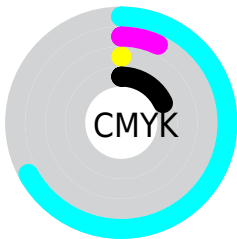
Distribution



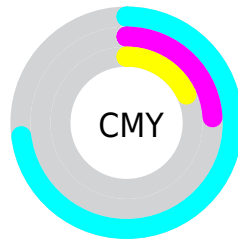
- Red (27%)
- Green (76%)
- Blue (82%)



- Red (27%)
- Yellow (53%)
- Blue (82%)



- Cyan (67%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)



- Cyan (73%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2547, 44.4522, 67.1490 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 33.2547, 44.4522, 67.1490 by changing the saturation by 10% instead.

■ 33.2547, 44.4522,
67.1490

■ 33.2547, 44.4522,
67.1490

308.4406,
364.5504, 468.9909

■ 22.4818, 31.0262,
48.7434

■ 64.1250, 81.8978,
116.7766

■ 14.3299, 20.6188,
34.0518

■ 84.9531, 106.6861,
148.8356

■ 8.4337, 12.8456,
22.6557

■ 109.8637,
136.0306, 186.2828

■ 4.4278, 7.3223,
14.1366

■ 139.2220,
170.3158, 229.5368

■ 1.9469, 3.6645,
8.0759

173.3935,
209.9259, 279.0160

■ 0.6039, 1.4877,
4.0551

212.7436,

■ 0.0000, 0.2801,

255.2455, 335.1391

1.6556

257.6375,
306.6589, 398.3245

■ 0.0000, 0.0000,
0.3300

■ 0.0000, 0.0000,
0.0000

■ 33.2547, 44.4522,
67.1490

■ 33.2547, 44.4522,
67.1490

■ 31.5306, 42.8301,
66.9276

■ 35.5110, 46.3617,
67.3995

■ 30.2769, 41.4606,
66.7293

■ 38.3447, 48.5792,
67.6781

■ 29.4186, 40.3060,
66.5517

■ 41.8007, 51.1287,
67.9881

■ 29.1963, 39.9785,
66.5002

■ 45.9185, 54.0307,
68.3312

■ 50.7343, 57.3038,
68.7092

■ 56.2815, 60.9654,
69.1235

■ 62.5913, 65.0316,
69.5758

■ 69.6934, 69.5176,
70.0674

■ 76.8347, 74.0354,
70.5630

Harmonies

Analogous

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



31.8923, 44.4522, 48.9810



33.2547, 44.4522, 67.1490



36.9886, 44.4522, 82.7496

Triad

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



33.2547, 44.4522, 67.1490



52.9720, 44.4522, 65.9117



42.0490, 44.4522, 22.6411

Complementary

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



33.2547, 44.4522, 67.1490



30.5403, 20.3272, 7.9457

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.



47.9891, 44.4522, 25.1790



33.2547, 44.4522, 67.1490



54.6389, 44.4522, 47.8253

Square

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



33.2547, 44.4522, 67.1490



48.3705, 44.4522, 81.9262



52.7378, 44.4522, 33.5141



36.6697, 44.4522, 25.5547

Rectangle

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



33.2547, 44.4522, 67.1490



40.5041, 44.4522, 88.1089



52.7378, 44.4522, 33.5141



44.0463, 44.4522, 22.8789

Sweetspot

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



33.2561, 44.4539, 67.1501



76.9934, 88.1405, 107.5626



26.8174, 47.4918, 15.9388



16.0180, 18.5522, 22.9866



0.0000, 0.0000, 0.0000



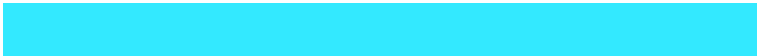
20.3446, 21.4041, 23.3091

Same Dimension

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



33.2561, 44.4539, 67.1501



48.5949, 66.2830, 104.8404



21.2981, 20.5379, 63.1641



12.0457, 13.1816, 15.1531



18.0451, 24.7369, 41.0161



1.0407, 1.4466, 2.3039

Inverse Universe

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



38.1615, 21.7081, 53.2193



57.1524, 29.5191, 79.8840



38.7613, 36.7692, 10.6860



12.2540, 11.9863, 14.6131



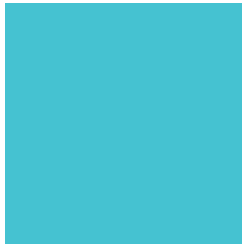
21.7391, 10.5685, 29.8618



1.2315, 0.5973, 1.7540

Previews

White Background



This preview shows how the XYZ color 33.2547, 44.4522, 67.1490 looks on a white background.

Color Contrast Check

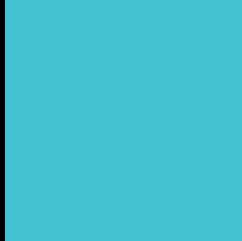
Large Text (above 18pt) WCAG AA × Fail

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 33.2547, 44.4522, 67.1490 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 33.2547, 44.4522, 67.1490

Background



This preview shows how black text looks on a background with the XYZ color 33.2547, 44.4522, 67.1490.



This preview shows how white text looks on a background with the XYZ color 33.2547, 44.4522,

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

33.2547, 44.4522, 67.1490

Protanopia

42.8636, 43.6898, 58.9972

Deuteranopia

44.7604, 43.8561, 69.7243



Tritanopia

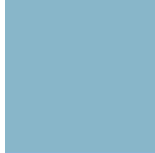
33.3789, 44.5019, 67.8032

Trichromacy



Original Color

33.2547, 44.4522, 67.1490



Protanomaly

37.4239, 42.9072, 61.5678



Deuteranomaly

38.5609, 43.0355, 68.5617



Tritanomaly

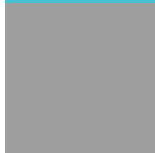
33.3789, 44.5019, 67.8032

Monochromacy



Original Color

33.2547, 44.4522, 67.1490



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

31.1029, 36.7358, 47.0464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2547, 44.4522, 67.1490 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(69, 194, 209)` looks like.

```
.text, #text, p{  
    color:rgb(69, 194, 209)  
}
```

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(69, 194, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 194, 209) }
```

Border

The CSS property to change the border of an element to XYZ 33.2547, 44.4522, 67.1490 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(69, 194, 209) }
```


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

```
.border{ border-color:rgb(69, 194, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 194, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 194, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 194, 209);  
box-shadow:4px 4px 4px 4px rgb(69, 194,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2547, 44.4522, 67.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 194, 209) }
```

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

```
.background{ background-color: rgb(69, 194,  
209) }
```

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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