

Converting Colors

XYZ(33.8746, 43.2601, 53.6320)

Have a look what the booklet for
XYZ(33.8746, 43.2601, 53.6320)
contains.

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Color

**XYZ(33.7629, 43.0650,
53.5466)**

Conversions

Conversions Part 1

Format	Color
Hex	71BCBB
RGB	113, 188, 187
RGB Percent	44%, 74%, 73%
CMY	0.5569, 0.2627, 0.2667
CMYK	0.40, 0.00, 0.01, 0.26
HSL	179°, 36%, 59%
HSV	179°, 40%, 74%
XYZ	33.7629, 43.0650, 53.5466
YIQ	165.4610, -44.3790, -16.2110

Conversions

Conversions Part 2

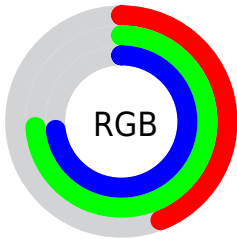
Format	Color
RYB	113, 151, 188
Decimal	7453883
CIELab	71.60, -23.47, -6.83
CIELCh	72, 24.447, 196.229
Yxy	43.0650, 0.2590, 0.3303
Android (android.graphics.Color)	4285643963 (0xFF71BCBB)
YUV	165.4610, 10.6187, -46.0083
Hunter-Lab	65.6239, -23.0053, -2.4416

Details

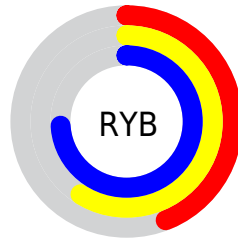
The XYZ color **33.7629, 43.0650, 53.5466** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.6829, 23.7178, 18.9347**, and the grayscale version is **35.9525, 37.8248, 41.1912**.

A 20% lighter version of the original color is **64.6768, 79.4973, 96.7297**, and **14.5731, 19.6710, 25.5830** is the 20% darker color. If you saturate the color by 10%, you get **31.5638, 41.9354, 53.3044**, and if you desaturate by 10%, it is **36.4656, 44.4562, 53.8145**.

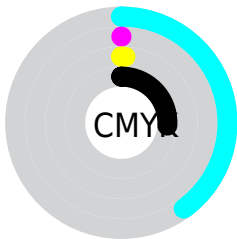
Distribution



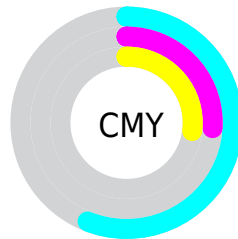
- Red (44%)
- Green (74%)
- Blue (73%)



- Red (44%)
- Yellow (59%)
- Blue (74%)



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)



- Cyan (56%)
- Magenta (26%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7629, 43.0650, 53.5466 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 33.7629, 43.0650, 53.5466 by changing the saturation by 10% instead.

■ 33.7629, 43.0650,
53.5466

■ 33.7629, 43.0650,
53.5466

310.6781,
358.8790, 417.5043

■ 22.8735, 29.9361,
37.8486

■ 64.9115, 79.8089,
96.8579

■ 14.6203, 19.7901,
25.5643

■ 85.9015, 104.1928,
125.3082

■ 8.6379, 12.2426,
16.2751

■ 110.9891,
133.0971, 158.8464

■ 4.5610, 6.9091,
9.5626

140.5396,
166.9062, 197.8911

■ 2.0241, 3.4053,
5.0081

174.9184,
206.0046, 242.8606

■ 0.6475, 1.3468,
2.1932

214.4908,

■ 0.0000, 0.1770,

250.7766, 294.1736

0.6704

259.6223,
301.6066, 352.2487

■ 0.0000, 0.0000,
0.0000

■ 33.7629, 43.0650,
53.5466

■ 33.7629, 43.0650,
53.5466

■ 31.5638, 41.9354,
53.3044

■ 36.4656, 44.4562,
53.8145

■ 29.8332, 41.0464,
53.0834

■ 39.6967, 46.1188,
54.1065

■ 28.5380, 40.3818,
52.8830

■ 43.4837, 48.0679,
54.4247

■ 27.6385, 39.9212,
52.7014

■ 47.8511, 50.3163,
54.7704

■ 27.0884, 39.6407,
52.5363

■ 52.8223, 52.8759,
55.1445

■ 26.7957, 39.4929,
52.3836

■ 58.4189, 55.7579,
55.5481

■ 26.7929, 39.4914,
52.3820

■ 64.6618, 58.9731,
55.9823

■ 68.4104, 60.9025,
56.2999

■ 68.4377, 60.9134,
56.4437

Harmonies

Analogous

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



33.6853, 43.0650, 41.6766



33.7629, 43.0650, 53.5466



35.6746, 43.0650, 65.3299

Triad

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



33.7629, 43.0650, 53.5466



46.9459, 43.0650, 64.4718



42.8538, 43.0650, 28.0695

Complementary

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



33.7629, 43.0650, 53.5466



29.6829, 23.7178, 18.9347

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.



46.6821, 43.0650, 32.2949



33.7629, 43.0650, 53.5466



49.1499, 43.0650, 52.5220

Square

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



33.7629, 43.0650, 53.5466



43.1945, 43.0650, 72.3270



49.0502, 43.0650, 40.8101



38.7499, 43.0650, 28.2496

Rectangle

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



33.7629, 43.0650, 53.5466



37.8102, 43.0650, 70.9682



49.0502, 43.0650, 40.8101



44.2211, 43.0650, 28.9865

Sweetspot

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



33.7642, 43.0667, 53.5476



77.1320, 86.2517, 98.4957



27.9372, 40.7546, 22.0177



16.3890, 18.4462, 21.1646



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.7642, 43.0667, 53.5476



57.6009, 76.2036, 96.6492



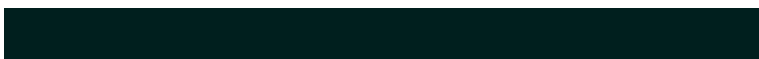
27.0761, 29.5184, 51.8494



9.8029, 10.8073, 12.2118



18.2436, 26.8877, 35.6754



0.7164, 1.0539, 1.4068

Inverse Universe

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



29.6829, 23.7178, 18.9347



49.1676, 36.2133, 25.1206



34.5082, 33.4592, 20.2632



9.5352, 9.5384, 9.9414



14.1318, 7.2839, 0.7218



0.5553, 0.2860, 0.0377

Previews

White Background



This preview shows how the XYZ color 33.7629, 43.0650, 53.5466 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 33.7629, 43.0650, 53.5466 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 33.7629, 43.0650, 53.5466

Background



This preview shows how black text looks on a background with the XYZ color 33.7629, 43.0650, 53.5466.



This preview shows how white text looks on a background with the XYZ color 33.7629, 43.0650,

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

33.7629, 43.0650, 53.5466

Protanopia

41.0764, 42.7166, 48.1996

Deuteranopia

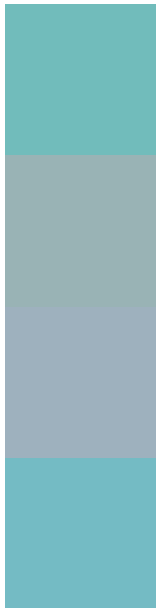
43.5459, 42.7014, 55.2373



Tritanopia

35.4376, 43.1168, 61.7129

Trichromacy



Original Color

33.7629, 43.0650, 53.5466

Protanomaly

37.5975, 42.3487, 49.9086

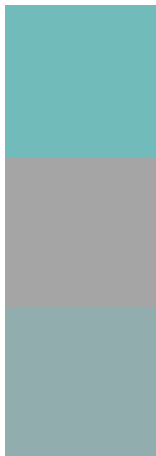
Deuteranomaly

39.1170, 42.4311, 54.8435

Tritanomaly

34.9366, 43.2392, 58.7292

Monochromacy



Original Color

33.7629, 43.0650, 53.5466

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.3405, 39.0153, 45.2559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7629, 43.0650, 53.5466 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(113, 188, 187)` looks like.

```
.text, #text, p{  
    color:rgb(113, 188, 187)  
}
```

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(113, 188, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 188, 187) }
```

Border

The CSS property to change the border of an element to XYZ 33.7629, 43.0650, 53.5466 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(113, 188, 187) }
```


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

```
.border{ border-color:rgb(113, 188, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 188, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 188, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 188, 187);  
box-shadow:4px 4px 4px 4px rgb(113, 188,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7629, 43.0650, 53.5466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 188, 187) }
```

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

```
.background{ background-color: rgb(113,  
188, 187) }
```

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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