

Converting Colors

XYZ(35.7533, 47.8082, 55.7028)

Have a look what the booklet for
XYZ(35.7533, 47.8082, 55.7028)
contains.

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Color

**XYZ(35.6721, 47.6468,
55.4607)**

Conversions

Conversions Part 1

Format	Color
Hex	6BC7BD
RGB	107, 199, 189
RGB Percent	42%, 78%, 74%
CMY	0.5804, 0.2196, 0.2588
CMYK	0.46, 0.00, 0.05, 0.22
HSL	173°, 45%, 60%
HSV	173°, 46%, 78%
XYZ	35.6721, 47.6468, 55.4607
YIQ	170.3520, -51.6220, -22.6140

Conversions

Conversions Part 2

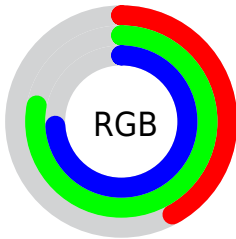
Format	Color
RYB	107, 156, 199
Decimal	7063485
CIELab	74.60, -29.86, -3.51
CIELCh	75, 30.069, 186.713
Yxy	47.6468, 0.2570, 0.3433
Android (android.graphics.Color)	4285253565 (0xFF6BC7BD)
YUV	170.3520, 9.1935, -55.5597
Hunter-Lab	69.0267, -28.5501, 0.6811

Details

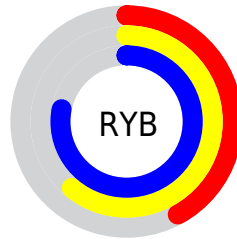
The XYZ color **35.6721, 47.6468, 55.4607** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.0234, 23.9431, 19.7649**, and the grayscale version is **38.3592, 40.3569, 43.9487**.

A 20% lighter version of the original color is **67.5513, 86.0051, 99.4265**, and **15.7883, 22.6567, 26.8336** is the 20% darker color. If you saturate the color by 10%, you get **33.3166, 46.4606, 54.1345**, and if you desaturate by 10%, it is **38.5844, 49.1220, 56.8333**.

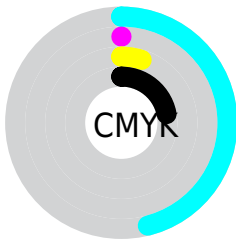
Distribution



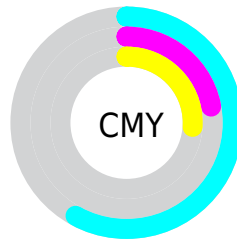
- Red (42%)
- Green (78%)
- Blue (74%)



- Red (42%)
- Yellow (61%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (58%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6721, 47.6468, 55.4607 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 35.6721, 47.6468, 55.4607 by changing the saturation by 10% instead.

 35.6721, 47.6468,
55.4607


 35.6721, 47.6468,
55.4607


318.9814,
377.3904, 424.9870


 24.3500, 33.5473,
39.3696


 67.8528, 86.6783,
99.6935


 15.7196, 22.5460,
26.7373


 89.4422, 112.3790,
128.6724

 9.4155, 14.2587,
17.1454


 115.1847,
142.7156, 162.7842

 5.0725, 8.3008,
10.1751

 145.4456,
178.0725, 202.4475

 2.3250, 4.2880,
5.4081

180.5904,
218.8340, 248.0809

 0.8074, 1.8359,
2.4258

220.9844,

 0.0000, 0.5094,

265.3846, 300.1029

0.8004

266.9929,
318.1086, 358.9321

■ 0.0000, 0.0000,
0.0000

■ 35.6721, 47.6468,
55.4607

■ 35.6721, 47.6468,
55.4607

■ 33.3166, 46.4606,
54.1345

■ 38.5844, 49.1220,
56.8333

■ 31.4755, 45.5380,
52.8496

■ 42.0841, 50.8984,
58.2507

■ 30.1069, 44.8586,
51.6050


■ 46.2042, 52.9942,
59.7156


■ 29.1606, 44.3965,
50.3981


■ 50.9745, 55.4248,
61.2294


■ 28.5725, 44.1186,
49.2260


■ 56.4225, 58.2044,
62.7936

 28.3968, 44.0375,
48.7910

 62.5741, 61.3463,
64.4094

 69.4542, 64.8633,
66.0780

 72.8425, 66.5798,
67.6020

 73.1078, 66.6859,
68.9988

Harmonies

Analogous

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



36.3419, 47.6468, 40.9140



35.6721, 47.6468, 55.4607



37.4081, 47.6468, 71.9286

Triad

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



35.6721, 47.6468, 55.4607



51.8326, 47.6468, 79.7916



49.5495, 47.6468, 28.9400

Complementary

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



35.6721, 47.6468, 55.4607



32.0234, 23.9431, 19.7649

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.



54.2007, 47.6468, 35.9517



35.6721, 47.6468, 55.4607



55.5909, 47.6468, 64.6471

Square

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



35.6721, 47.6468, 55.4607



46.5207, 47.6468, 87.6827



56.4904, 47.6468, 48.4554



44.0750, 47.6468, 27.4516

Rectangle

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



35.6721, 47.6468, 55.4607



39.7849, 47.6468, 81.1683



56.4904, 47.6468, 48.4554



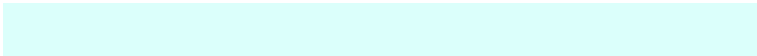
51.2740, 47.6468, 30.6495

Sweetspot

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



35.6735, 47.6487, 55.4618



82.4951, 93.5992, 105.0834



30.5137, 45.7432, 21.1319



17.2880, 19.8460, 22.3696



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.



35.6735, 47.6487, 55.4618



58.4888, 81.4245, 94.8790



29.6014, 33.7065, 58.9809



10.8951, 12.0469, 13.3978



18.2789, 28.3239, 31.4769



0.8801, 1.3470, 1.5672

Inverse Universe

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



32.0234, 23.9431, 19.7649



51.3714, 35.0762, 25.1812



35.9214, 32.6306, 18.3159



10.6800, 10.6554, 11.2980



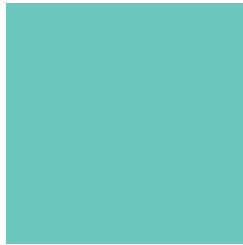
15.2523, 7.8505, 1.2727



0.7384, 0.3782, 0.1455

Previews

White Background



This preview shows how the XYZ color 35.6721, 47.6468, 55.4607 looks on a white background.

Color Contrast Check

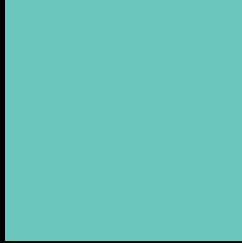
Large Text (above 18pt) WCAG AA × Fail

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 35.6721, 47.6468, 55.4607 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

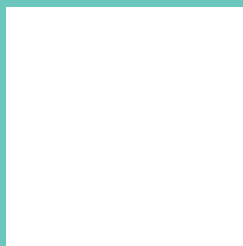
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6721, 47.6468, 55.4607

Background



This preview shows how black text looks on a background with the XYZ color 35.6721, 47.6468, 55.4607.

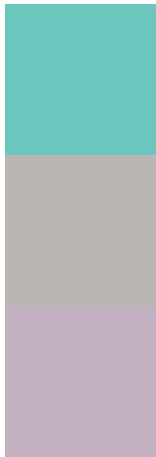


This preview shows how white text looks on a background with the XYZ color 35.6721, 47.6468,

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

35.6721, 47.6468, 55.4607

Protanopia

45.1143, 47.1497, 49.3708

Deuteranopia

47.9654, 46.9414, 57.5715



Tritanopia

38.4372, 47.7604, 68.8208

Trichromacy



Original Color

35.6721, 47.6468, 55.4607

Protanomaly

40.4351, 46.5534, 51.6543

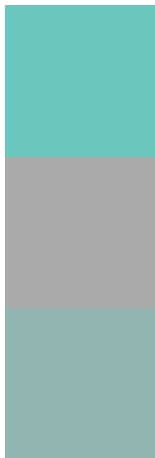
Deuteranomaly

41.9676, 46.2902, 56.5921

Tritanomaly

37.3013, 47.6238, 63.7262

Monochromacy



Original Color

35.6721, 47.6468, 55.4607

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.4923, 42.4251, 47.8605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6721, 47.6468, 55.4607 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(107, 199, 189)` looks like.

```
.text, #text, p{  
    color:rgb(107, 199, 189)  
}
```

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(107, 199, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 199, 189) }
```

Border

The CSS property to change the border of an element to XYZ 35.6721, 47.6468, 55.4607 is called "border". The border property can be set on classes, ids or directly on the HTML element.

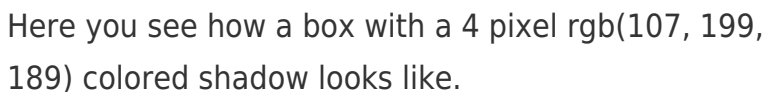
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 199, 189) }
```


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

```
.border{ border-color:rgb(107, 199, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 199, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 199, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 199, 189); box-shadow:4px 4px 4px 4px rgb(107, 199, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6721, 47.6468, 55.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 199, 189) }
```

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

```
.background{ background-color: rgb(107,  
199, 189) }
```

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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