

Converting Colors

XYZ(32.8410, 39.3840, 62.9985)

Have a look what the booklet for
XYZ(32.8410, 39.3840, 62.9985)
contains.

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Color

**XYZ(32.7633, 39.2646,
62.9788)**

Conversions

Conversions Part 1

Format	Color
Hex	6AB2CC
RGB	106, 178, 204
RGB Percent	42%, 70%, 80%
CMY	0.5843, 0.3019, 0.2000
CMYK	0.48, 0.13, 0.00, 0.20
HSL	196°, 49%, 61%
HSV	196°, 48%, 80%
XYZ	32.7633, 39.2646, 62.9788
YIQ	159.4360, -51.2580, -7.1780

Conversions

Conversions Part 2

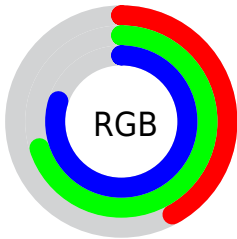
Format	Color
R _{YB}	106, 148, 204
Decimal	6992588
CIE _{Lab}	68.94, -15.55, -20.19
CIE _{LCh}	69, 25.482, 232.388
Y _{xy}	39.2646, 0.2427, 0.2908
Android (android.graphics.Color)	4285182668 (0xFF6AB2CC)
YUV	159.4360, 21.9701, -46.8634
Hunter-Lab	62.6615, -16.3267, -15.7272

Details

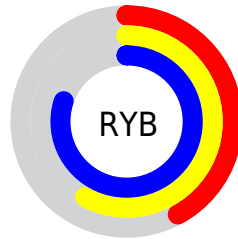
The XYZ color **32.7633, 39.2646, 62.9788** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **35.7554, 30.3813, 17.6164**, and the grayscale version is **33.0746, 34.7971, 37.8940**.

A 20% lighter version of the original color is **62.3731, 73.7470, 105.5549**, and **14.0109, 17.4736, 31.4884** is the 20% darker color. If you saturate the color by 10%, you get **29.5658, 36.0499, 62.5275**, and if you desaturate by 10%, it is **36.5823, 42.8645, 63.4731**.

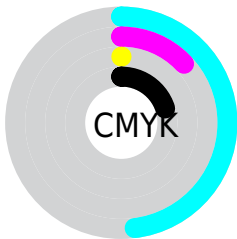
Distribution



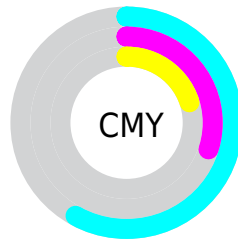
- Red (42%)
- Green (70%)
- Blue (80%)



- Red (42%)
- Yellow (58%)
- Blue (80%)



- Cyan (48%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)



- Cyan (58%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7633, 39.2646, 62.9788 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 32.7633, 39.2646, 62.9788 by changing the saturation by 10% instead.

■ 32.7633, 39.2646,
62.9788

■ 32.7633, 39.2646,
62.9788

306.2657,
343.0141, 453.5984

■ 22.1035, 26.9656,
45.3832

■ 63.3630, 74.0424,
110.7242

■ 14.0500, 17.5474,
31.4142

■ 84.0336, 97.2899,
141.7111

■ 8.2374, 10.6255,
20.6533

■ 108.7719,
124.9559, 177.9987

■ 4.3003, 5.8156,
12.6821

■ 137.9432,
157.4245, 220.0058

■ 1.8734, 2.7333,
7.0818

171.9128,
195.0802, 268.1507

■ 0.5613, 0.9941,
3.4341

211.0462,

■ 0.0000, 0.0000,

238.3075, 322.8521

1.3203

255.7087,
287.4907, 384.5285

■ 0.0000, 0.0000,
0.0784

■ 0.0000, 0.0000,
0.0000

■ 32.7633, 39.2646,
62.9788

■ 32.7633, 39.2646,
62.9788

■ 29.5658, 36.0499,
62.5275

■ 36.5823, 42.8645,
63.4731

■ 26.9442, 33.1935,
62.1144

■ 41.0572, 46.8655,
64.0095

■ 24.8521, 30.6717,
61.7379

■ 46.2238, 51.2876,
64.5907

■ 23.2337, 28.4551,
61.3953

■ 52.1145, 56.1481,
65.2184

■ 22.0067, 26.5003,
61.0827

■ 58.7594, 61.4632,
65.8941

■ 21.7865, 26.1343,
61.0237

■ 66.1868, 67.2482,
66.6193

■ 74.4236, 73.5176,
67.3953

■ 78.0748, 77.4908,
67.9697

■ 79.5295, 80.4001,
68.4546

Harmonies

Analogous

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



30.5687, 39.2646, 51.8277



32.7633, 39.2646, 62.9788



36.2971, 39.2646, 68.9059

Triad

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



32.7633, 39.2646, 62.9788



45.5883, 39.2646, 45.7774



34.4300, 39.2646, 25.2600

Complementary

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



32.7633, 39.2646, 62.9788



35.7554, 30.3813, 17.6164

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.



38.3616, 39.2646, 24.2285



32.7633, 39.2646, 62.9788



44.9982, 39.2646, 34.8038

Square

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



32.7633, 39.2646, 62.9788



43.8390, 39.2646, 57.8699



42.2804, 39.2646, 27.3993



31.4813, 39.2646, 30.5277

Rectangle

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



32.7633, 39.2646, 62.9788



39.0165, 39.2646, 68.4630



42.2804, 39.2646, 27.3993



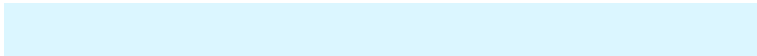
35.6731, 39.2646, 24.4503

Sweetspot

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



32.7645, 39.2661, 62.9797



80.1664, 87.9520, 107.3590



31.6006, 47.8760, 28.8721



16.7154, 18.4565, 22.9314



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.



32.7645, 39.2661, 62.9797



48.6206, 59.3423, 103.4994



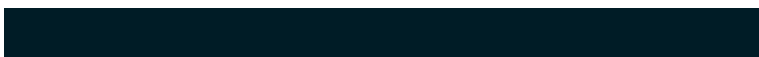
24.8933, 23.5236, 60.3560



11.2817, 12.2038, 14.3313



13.7922, 16.6085, 38.4351



0.7716, 0.9769, 2.0028

Inverse Universe

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



38.0928, 26.3609, 45.2015



58.8722, 36.7419, 68.7941



43.7248, 46.3200, 20.2728



11.5555, 11.3510, 13.4601



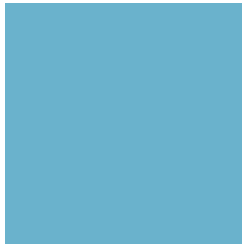
19.1726, 9.4796, 19.1594



1.0194, 0.5012, 1.1481

Previews

White Background



This preview shows how the XYZ color 32.7633, 39.2646, 62.9788 looks on a white background.

Color Contrast Check

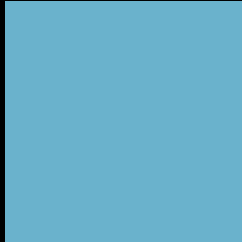
Large Text (above 18pt) WCAG AA × Fail

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 32.7633, 39.2646, 62.9788 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 32.7633, 39.2646, 62.9788

Background



This preview shows how black text looks on a background with the XYZ color 32.7633, 39.2646, 62.9788.



This preview shows how white text looks on a background with the XYZ color 32.7633, 39.2646,

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

32.7633, 39.2646, 62.9788

Protanopia

38.5003, 38.9393, 57.7114

Deuteranopia

39.8478, 38.9484, 64.4491



Tritanopia

31.6524, 39.4211, 56.9797

Trichromacy



Original Color

32.7633, 39.2646, 62.9788

Protanomaly

35.8389, 38.6238, 59.5991

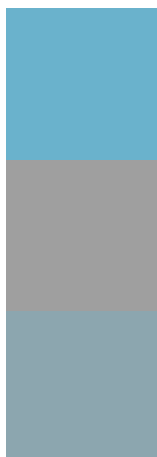
Deuteranomaly

36.6562, 38.6718, 63.9249

Tritanomaly

32.0221, 39.2605, 59.3164

Monochromacy



Original Color

32.7633, 39.2646, 62.9788

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1893, 35.9430, 45.7986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7633, 39.2646, 62.9788 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(106, 178, 204)` looks like.

```
.text, #text, p{  
    color:rgb(106, 178, 204)  
}
```

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(106, 178, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 178, 204) }
```

Border

The CSS property to change the border of an element to XYZ 32.7633, 39.2646, 62.9788 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(106, 178, 204) }
```


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

```
.border{ border-color:rgb(106, 178, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 178, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 178, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 178, 204);  
box-shadow:4px 4px 4px 4px rgb(106, 178,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7633, 39.2646, 62.9788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 178, 204) }
```

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

```
.background{ background-color: rgb(106,  
178, 204) }
```

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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