

Converting Colors

XYZ(33.6964, 39.2139, 60.4366)

Have a look what the booklet for
XYZ(33.6964, 39.2139, 60.4366)
contains.

XYZ(33.6964, 39.2139, 60.4366)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.6964, 39.2139,
60.4366)**

Conversions

Conversions Part 1

Format	Color
Hex	78B0C8
RGB	120, 176, 200
RGB Percent	47%, 69%, 78%
CMY	0.5294, 0.3098, 0.2157
CMYK	0.40, 0.12, 0.00, 0.22
HSL	198°, 42%, 63%
HSV	198°, 40%, 78%
XYZ	33.6964, 39.2139, 60.4366
YIQ	161.9920, -41.0800, -4.4080

Conversions

Conversions Part 2

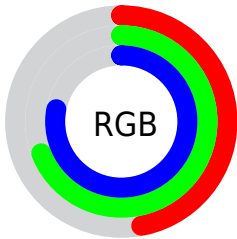
Format	Color
R _Y B	120, 153, 200
Decimal	7909576
CIE Lab	68.91, -12.10, -17.98
CIE LCh	69, 21.667, 236.060
Yxy	39.2139, 0.2527, 0.2941
Android (android.graphics.Color)	4286099656 (0xFF78B0C8)
YUV	161.9920, 18.7379, -36.8270
Hunter-Lab	62.6210, -13.5358, -13.3871

Details

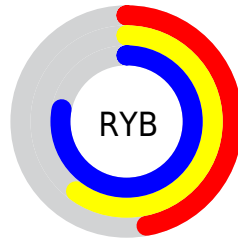
The XYZ color **33.6964, 39.2139, 60.4366** is a light color, and the websafe version is hex **669999**. A complement of this color would be **37.1836, 33.5826, 22.2927**, and the grayscale version is **34.2688, 36.0534, 39.2622**.

A 20% lighter version of the original color is **64.5858, 74.0472, 105.4962**, and **14.5180, 17.3995, 29.7874** is the 20% darker color. If you saturate the color by 10%, you get **30.0567, 35.6305, 59.9374**, and if you desaturate by 10%, it is **37.9698, 43.2030, 60.9820**.

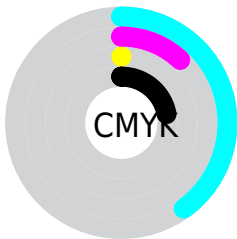
Distribution



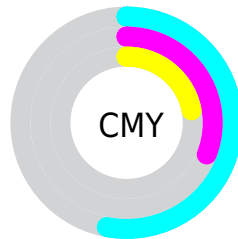
- Red (47%)
- Green (69%)
- Blue (78%)



- Red (47%)
- Yellow (60%)
- Blue (78%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6964, 39.2139, 60.4366 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 33.6964, 39.2139, 60.4366 by changing the saturation by 10% instead.

■ 33.6964, 39.2139,
60.4366

■ 33.6964, 39.2139,
60.4366

310.3860,
342.7990, 444.0544

■ 22.8222, 26.9262,
43.3430

■ 64.8087, 73.9650,
107.0123

■ 14.5823, 17.5178,
29.8210

■ 85.7776, 97.1971,
137.3316

■ 8.6112, 10.6043,
19.4518

■ 110.8420,
124.8462, 172.8964

■ 4.5435, 5.8015,
11.8171

140.3675,
157.2965, 214.1255

■ 2.0140, 2.7247,
6.4982

174.7192,
194.9326, 261.4373

■ 0.6418, 0.9898,
3.0767

214.2626,

■ 0.0000, 0.0000,

238.1388, 315.2504

1.1339

259.3631,
287.2995, 375.9832

■ 0.0000, 0.0000,
0.0000

■ 33.6964, 39.2139,
60.4366

■ 33.6964, 39.2139,
60.4366

■ 30.0567, 35.6305,
59.9374

■ 37.9698, 43.2030,
60.9820

■ 27.0101, 32.4281,
59.4799

■ 42.9072, 47.6117,
61.5728

■ 24.5167, 29.5861,
59.0628

■ 48.5410, 52.4585,
62.2114

■ 22.5296, 27.0793,
58.6836

■ 54.9006, 57.7595,
62.8994

■ 20.9936, 24.8782,
58.3397

■ 62.0136, 63.5299,
63.6383

■ 19.8043, 22.9278,
58.0260

■ 69.9059, 69.7838,
64.4294

■ 19.8042, 22.9276,
58.0259

■ 76.7371, 75.5735,
65.1869

■ 78.3213, 78.7419,
65.7150

■ 79.9624, 82.0240,
66.2620

Harmonies

Analogous

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



31.6354, 39.2139, 51.5796



33.6964, 39.2139, 60.4366



36.8186, 39.2139, 64.5419

Triad

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



33.6964, 39.2139, 60.4366



44.2737, 39.2139, 44.0132



34.4384, 39.2139, 27.8299

Complementary

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



33.6964, 39.2139, 60.4366



37.1836, 33.5826, 22.2927

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.



37.7283, 39.2139, 26.4385



33.6964, 39.2139, 60.4366



43.5405, 39.2139, 34.8981

Square

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



33.6964, 39.2139, 60.4366



43.0379, 39.2139, 54.1814



41.0912, 39.2139, 28.8208



32.0449, 39.2139, 32.9627

Rectangle

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



33.6964, 39.2139, 60.4366



39.1332, 39.2139, 63.6306



41.0912, 39.2139, 28.8208



35.4701, 39.2139, 26.9467

Sweetspot

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



33.6976, 39.2154, 60.4375



81.8158, 88.9337, 107.4615



33.3337, 47.2755, 33.2237



17.2278, 18.7927, 22.9693



0.0000, 0.0000, 0.0000



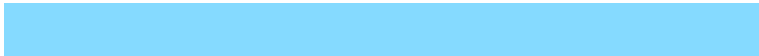
20.3446, 21.4041, 23.3091

Same Dimension

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



33.6976, 39.2154, 60.4375



52.8045, 62.4633, 103.8813



27.1652, 26.1506, 58.2600



10.6677, 11.5096, 13.5768



12.6735, 14.7410, 36.9217



0.6613, 0.8204, 1.7686

Inverse Universe

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



38.3734, 28.8480, 44.6217



62.2647, 43.0025, 71.5420



44.0752, 47.3659, 24.5899



10.9423, 10.7603, 12.6795



18.1964, 9.0281, 16.7757



0.8925, 0.4398, 0.9570

Previews

White Background



This preview shows how the XYZ color 33.6964, 39.2139, 60.4366 looks on a white background.

Color Contrast Check

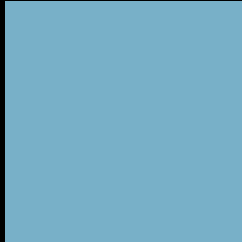
Large Text (above 18pt) WCAG AA × Fail

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 33.6964, 39.2139, 60.4366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

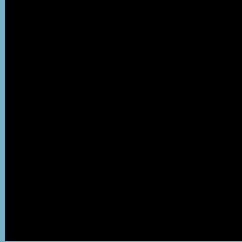
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6964, 39.2139, 60.4366

Background



This preview shows how black text looks on a background with the XYZ color 33.6964, 39.2139, 60.4366.



This preview shows how white text looks on a background with the XYZ color 33.6964, 39.2139,

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

33.6964, 39.2139, 60.4366

Protanopia

38.3661, 38.9092, 55.9402

Deuteranopia

39.7808, 38.9697, 61.9251



Tritanopia

32.7078, 39.1016, 55.6927

Trichromacy



Original Color

33.6964, 39.2139, 60.4366

Protanomaly

36.3712, 38.9380, 57.8234

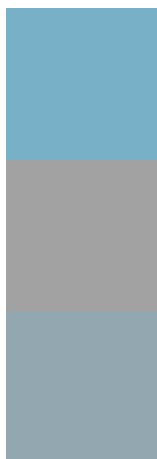
Deuteranomaly

37.0577, 38.6591, 61.3859

Tritanomaly

33.1802, 39.3064, 57.4679

Monochromacy



Original Color

33.6964, 39.2139, 60.4366

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.6878, 36.9751, 46.4357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6964, 39.2139, 60.4366 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(120, 176, 200)` looks like.

```
.text, #text, p{  
    color:rgb(120, 176, 200)  
}
```

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(120, 176, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 176, 200) }
```

Border

The CSS property to change the border of an element to XYZ 33.6964, 39.2139, 60.4366 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(120, 176, 200) }
```


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

```
.border{ border-color:rgb(120, 176, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 176, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 176, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 176, 200);  
box-shadow:4px 4px 4px 4px rgb(120, 176,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6964, 39.2139, 60.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 176, 200) }
```

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

```
.background{ background-color: rgb(120,  
176, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor