

Converting Colors

XYZ(36.6938, 47.7166, 60.7023)

Have a look what the booklet for
XYZ(36.6938, 47.7166, 60.7023)
contains.

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Color

**XYZ(36.6938, 47.7166,
60.7023)**

Conversions

Conversions Part 1

Format	Color
Hex	6DC6C6
RGB	109, 198, 198
RGB Percent	43%, 78%, 78%
CMY	0.5725, 0.2235, 0.2235
CMYK	0.45, 0.00, 0.00, 0.22
HSL	180°, 44%, 60%
HSV	180°, 45%, 78%
XYZ	36.6938, 47.7166, 60.7023
YIQ	171.3890, -53.0440, -18.8680

Conversions

Conversions Part 2

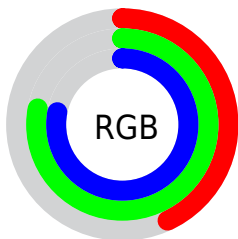
Format	Color
RYB	109, 154, 198
Decimal	7194310
CIELab	74.65, -26.64, -8.32
CIELCh	75, 27.911, 197.343
Yxy	47.7166, 0.2529, 0.3288
Android (android.graphics.Color)	4285384390 (0xFF6DC6C6)
YUV	171.3890, 13.1192, -54.7152
Hunter-Lab	69.0772, -26.0659, -3.7477

Details

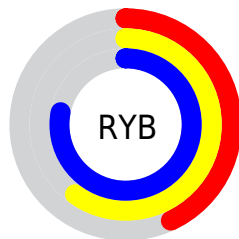
The XYZ color **36.6938, 47.7166, 60.7023** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.5193, 24.0486, 17.4503**, and the grayscale version is **38.8607, 40.8844, 44.5232**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **16.3227, 22.6382, 29.8949** is the 20% darker color. If you saturate the color by 10%, you get **34.5274, 46.6009, 60.6017**, and if you desaturate by 10%, it is **39.4117, 49.1188, 60.8308**.

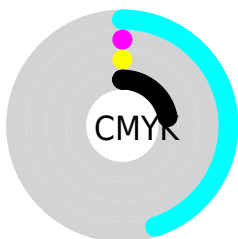
Distribution



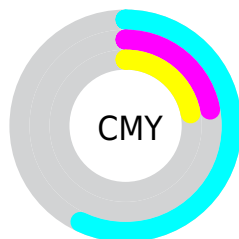
- Red (43%)
- Green (78%)
- Blue (78%)



- Red (43%)
- Yellow (60%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (57%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6938, 47.7166, 60.7023 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 36.6938, 47.7166, 60.7023 by changing the saturation by 10% instead.


 36.6938, 47.7166,
60.7023


 36.6938, 47.7166,
60.7023


323.3615,
377.6677, 445.0579


 25.1431, 33.6025,
43.5560

 69.4185, 86.7823,
107.4011

 16.3130, 22.5884,
29.9869


 91.3232, 112.5027,
137.7906

 9.8382, 14.2899,
19.5767


 117.4099,
142.8607, 173.4317

 5.3532, 8.3226,
11.9067

148.0440,
178.2406, 214.7427

 2.4928, 4.3020,
6.5584

183.5909,
219.0268, 262.1423

 0.8916, 1.8439,
3.1133

224.4159,

 0.0000, 0.5143,

265.6039, 316.0490

1.1528

270.8843,
318.3560, 376.8814

■ 0.0000, 0.0000,
0.0000

■ 36.6938, 47.7166,
60.7023

■ 36.6938, 47.7166,
60.7023

■ 34.5274, 46.6009,
60.6017

■ 39.4117, 49.1188,
60.8308

■ 32.8709, 45.7470,
60.5239

■ 42.7106, 50.8195,
60.9855

■ 31.6838, 45.1350,
60.4680

■ 46.6230, 52.8364,
61.1689

■ 30.9175, 44.7400,
60.4319

■ 51.1779, 55.1845,
61.3823

■ 30.5130, 44.5314,
60.4127

■ 56.4023, 57.8778,
61.6271

■ 30.3878, 44.4669,
60.4067

■ 62.3218, 60.9294,
61.9044

■ 68.9604, 64.3517,
62.2154

■ 71.6285, 65.7272,
62.3405

■ 71.6285, 65.7272,
62.3408

Harmonies

Analogous

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



36.5155, 47.7166, 46.0914



36.6938, 47.7166, 60.7023



39.0808, 47.7166, 75.2327

Triad

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



36.6938, 47.7166, 60.7023



52.8832, 47.7166, 73.1919



47.5164, 47.7166, 29.2534

Complementary

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



36.6938, 47.7166, 60.7023



31.5193, 24.0486, 17.4503

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.



52.2632, 47.7166, 34.0551



36.6938, 47.7166, 60.7023



55.5128, 47.7166, 58.2965

Square

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



36.6938, 47.7166, 60.7023



48.3126, 47.7166, 83.3126



55.2778, 47.7166, 44.0917



42.5172, 47.7166, 29.6569

Rectangle

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



36.6938, 47.7166, 60.7023



41.7111, 47.7166, 82.1090



55.2778, 47.7166, 44.0917



49.2013, 47.7166, 30.2685

Sweetspot

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



36.6952, 47.7185, 60.7034



83.8881, 94.2459, 108.3770



29.4466, 44.8403, 21.5722



17.5930, 19.9856, 23.1801



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.



36.6952, 47.7185, 60.7034



61.1860, 82.5425, 107.3125



28.2198, 30.7672, 57.8795



10.9468, 12.0676, 13.6698



19.7612, 28.9168, 39.2825



0.9357, 1.3692, 1.8600

Inverse Universe

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



31.5193, 24.0486, 17.4503



50.8651, 35.3441, 21.0645



37.2817, 35.5735, 19.3705



10.6339, 10.6370, 11.0555



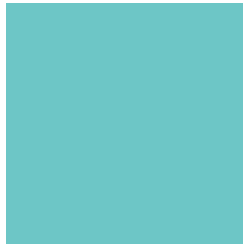
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 36.6938, 47.7166, 60.7023 looks on a white background.

Color Contrast Check

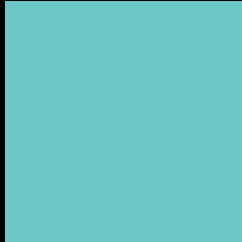
Large Text (above 18pt) WCAG AA × Fail

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 36.6938, 47.7166, 60.7023 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

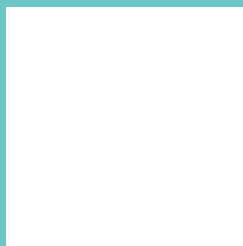
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6938, 47.7166, 60.7023

Background



This preview shows how black text looks on a background with the XYZ color 36.6938, 47.7166, 60.7023.

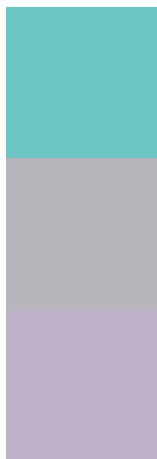


This preview shows how white text looks on a background with the XYZ color 36.6938, 47.7166,

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

36.6938, 47.7166, 60.7023

Protanopia

45.5722, 47.2771, 54.3004

Deuteranopia

48.0669, 47.1814, 62.4506



Tritanopia

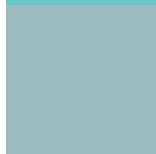
38.4336, 47.7440, 69.4772

Trichromacy



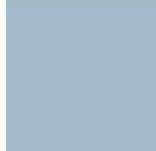
Original Color

36.6938, 47.7166, 60.7023



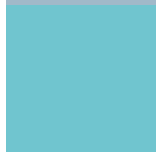
Protanomaly

41.4023, 46.9403, 56.7474



Deuteranomaly

42.5895, 46.4920, 61.9875



Tritanomaly

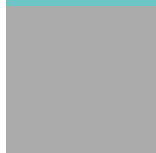
37.9108, 47.8822, 66.2756

Monochromacy



Original Color

36.6938, 47.7166, 60.7023



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

37.0771, 42.6798, 49.9999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6938, 47.7166, 60.7023 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(109, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(109, 198, 198)  
}
```

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(109, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 198, 198) }
```

Border

The CSS property to change the border of an element to XYZ 36.6938, 47.7166, 60.7023 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(109, 198, 198) }
```


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

```
.border{ border-color:rgb(109, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(109, 198,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6938, 47.7166, 60.7023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 198, 198) }
```

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

```
.background{ background-color: rgb(109,  
198, 198) }
```

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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