

Converting Colors

XYZ(36.4973, 47.1690, 68.6377)

Have a look what the booklet for
XYZ(36.4973, 47.1690, 68.6377)
contains.

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Color

**XYZ(36.4434, 47.0685,
68.7924)**

Conversions

Conversions Part 1

Format	Color
Hex	5FC5D3
RGB	95, 197, 211
RGB Percent	37%, 77%, 83%
CMY	0.6274, 0.2274, 0.1725
CMYK	0.55, 0.07, 0.00, 0.17
HSL	187°, 57%, 60%
HSV	187°, 55%, 83%
XYZ	36.4434, 47.0685, 68.7924
YIQ	168.0980, -65.2860, -17.2700

Conversions

Conversions Part 2

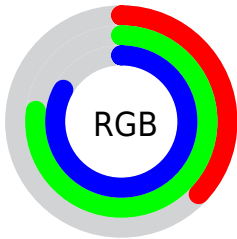
Format	Color
RYB	95, 149, 211
Decimal	6276563
CIELab	74.23, -25.70, -16.04
CIElCh	74, 30.291, 211.975
Yxy	47.0685, 0.2393, 0.3090
Android (android.graphics.Color)	4284466643 (0xFF5FC5D3)
YUV	168.0980, 21.1507, -64.1069
Hunter-Lab	68.6065, -25.2431, -11.4261

Details

The XYZ color **36.4434, 47.0685, 68.7924** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.3992, 25.6135, 13.9586**, and the grayscale version is **37.1913, 39.1281, 42.6105**.

A 20% lighter version of the original color is **66.8182, 84.9736, 107.4876**, and **16.1325, 22.2047, 34.8881** is the 20% darker color. If you saturate the color by 10%, you get **33.9684, 44.9425, 68.5133**, and if you desaturate by 10%, it is **39.5246, 49.5236, 69.1047**.

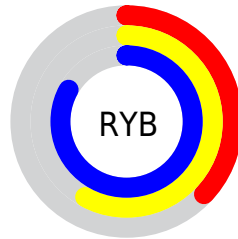
Distribution



Red (37%)

Green (77%)

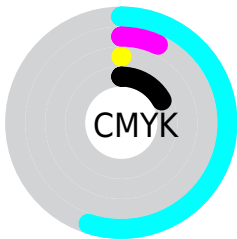
Blue (83%)



Red (37%)

Yellow (58%)

Blue (83%)

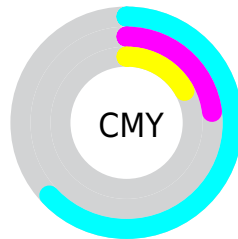


Cyan (55%)

Magenta (7%)

Yellow (0%)

Black (17%)



Cyan (63%)


Magenta (23%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4434, 47.0685, 68.7924 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 36.4434, 47.0685, 68.7924 by changing the saturation by 10% instead.


 36.4434, 47.0685,
68.7924


 36.4434, 47.0685,
68.7924


322.2920,
375.0879, 474.9725


 24.9485, 33.0898,
50.0720


 69.0353, 85.8159,
119.1499

 16.1672, 22.1953,
35.0990


 90.8630, 111.3533,
151.6241

 9.7342, 14.0004,
23.4550


 116.8658,
141.5125, 189.5199

 5.2840, 8.1210,
14.7214

 147.4089,
176.6778, 233.2559

 2.4513, 4.1725,
8.4796

182.8577,
217.2336, 283.2506

 0.8708, 1.7705,
4.3112

223.5776,

 0.0000, 0.4687,

263.5643, 339.9226

1.7976

269.9339,
316.0542, 403.6904

■ 0.0000, 0.0000,
0.4264

■ 0.0000, 0.0000,
0.0000

■ 36.4434, 47.0685,
68.7924

■ 36.4434, 47.0685,
68.7924

■ 33.9684, 44.9425,
68.5133

■ 39.5246, 49.5236,
69.1047

■ 32.0460, 43.1147,
68.2619

■ 43.2513, 52.3250,
69.4490

■ 30.6206, 41.5576,
68.0364

■ 47.6646, 55.4950,
69.8283

■ 29.6225, 40.2350,
67.8338

■ 52.8009, 59.0524,
70.2442

■ 29.2197, 39.6266,
67.7376

■ 58.6940, 63.0147,
70.6984

■ 65.3756, 67.3983,
71.1924

■ 72.8754, 72.2187,
71.7276

■ 77.9074, 75.7819,
72.1501

■ 78.5703, 77.1077,
72.3711

Harmonies

Analogous

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



35.0829, 47.0685, 52.2882



36.4434, 47.0685, 68.7924



40.0035, 47.0685, 82.4767

Triad

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



36.4434, 47.0685, 68.7924



54.6130, 47.0685, 66.6409



44.3779, 47.0685, 26.7760

Complementary

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



36.4434, 47.0685, 68.7924



34.3992, 25.6135, 13.9586

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.



49.8303, 47.0685, 29.1060



36.4434, 47.0685, 68.7924



56.0177, 47.0685, 50.2248

Square

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



36.4434, 47.0685, 68.7924



50.5037, 47.0685, 81.0680



54.2025, 47.0685, 36.9757



39.4272, 47.0685, 29.8193

Rectangle

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



36.4434, 47.0685, 68.7924



43.2938, 47.0685, 86.9739



54.2025, 47.0685, 36.9757



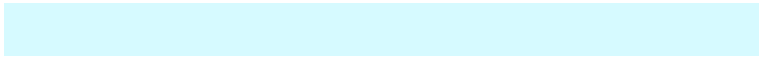
46.2124, 47.0685, 26.9551

Sweetspot

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



36.4449, 47.0703, 68.7935



80.0493, 89.9649, 107.7537



30.7500, 50.1166, 22.3908



16.7687, 19.0055, 23.0346



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.



36.4449, 47.0703, 68.7935



51.5721, 68.4709, 105.1058



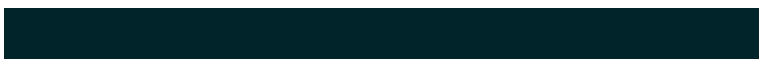
25.7788, 25.7382, 65.2382



12.0315, 13.1533, 15.1484



17.6842, 24.0149, 40.8958



1.0239, 1.4130, 2.2983

Inverse Universe

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



41.0354, 26.0658, 55.6935



59.5745, 34.0081, 81.7867



42.6641, 42.1432, 16.7136



12.2468, 11.9835, 14.5755



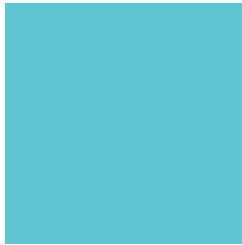
21.5569, 10.4956, 28.9024



1.2230, 0.5939, 1.7094

Previews

White Background



This preview shows how the XYZ color 36.4434, 47.0685, 68.7924 looks on a white background.

Color Contrast Check

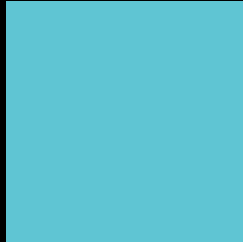
Large Text (above 18pt) WCAG AA × Fail

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 36.4434, 47.0685, 68.7924 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 36.4434, 47.0685, 68.7924

Background



This preview shows how black text looks on a background with the XYZ color 36.4434, 47.0685, 68.7924.



This preview shows how white text looks on a background with the XYZ color 36.4434, 47.0685,

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

36.4434, 47.0685, 68.7924

Protanopia

45.3370, 46.3964, 61.2095

Deuteranopia

47.2793, 46.2957, 70.7340



Tritanopia

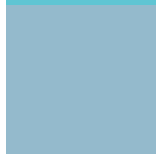
36.8004, 47.2234, 70.1262

Trichromacy



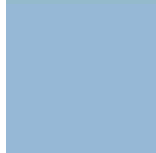
Original Color

36.4434, 47.0685, 68.7924



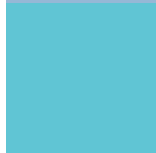
Protanomaly

40.6707, 45.7733, 63.8183



Deuteranomaly

41.8558, 45.6200, 70.2178



Tritanomaly

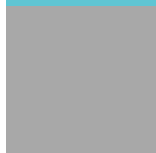
36.6738, 47.1728, 69.4597

Monochromacy



Original Color

36.4434, 47.0685, 68.7924



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.7563, 41.3636, 51.4468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4434, 47.0685, 68.7924 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(95, 197, 211)` looks like.

```
.text, #text, p{  
  color:rgb(95, 197, 211)  
}
```

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(95, 197, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 197, 211) }
```

Border

The CSS property to change the border of an element to XYZ 36.4434, 47.0685, 68.7924 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(95, 197, 211) }
```


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

```
.border{ border-color:rgb(95, 197, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 197, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 197, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 197, 211);  
box-shadow:4px 4px 4px 4px rgb(95, 197,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4434, 47.0685, 68.7924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 197, 211) }
```

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

```
.background{ background-color: rgb(95, 197,  
211) }
```

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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