

Converting Colors

XYZ(36.7706, 44.8291, 69.9816)

Have a look what the booklet for
XYZ(36.7706, 44.8291, 69.9816)
contains.

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Color

**XYZ(36.7304, 44.8822,
69.6780)**

Conversions

Conversions Part 1

Format	Color
Hex	6DBED5
RGB	109, 190, 213
RGB Percent	43%, 75%, 84%
CMY	0.5725, 0.2549, 0.1647
CMYK	0.49, 0.11, 0.00, 0.16
HSL	193°, 55%, 63%
HSV	193°, 49%, 84%
XYZ	36.7304, 44.8822, 69.6780
YIQ	168.4030, -55.6590, -10.0190

Conversions

Conversions Part 2

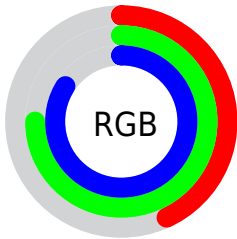
Format	Color
RYB	109, 155, 213
Decimal	7192277
CIELab	72.81, -18.63, -19.22
CIELCh	73, 26.765, 225.900
Yxy	44.8822, 0.2428, 0.2967
Android (android.graphics.Color)	4285382357 (0xFF6DBED5)
YUV	168.4030, 21.9863, -52.0964
Hunter-Lab	66.9942, -19.3749, -14.7693

Details

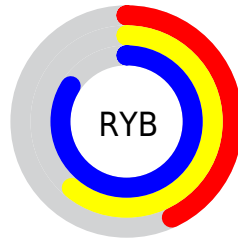
The XYZ color **36.7304, 44.8822, 69.6780** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.4532, 31.7540, 18.5719**, and the grayscale version is **37.3336, 39.2779, 42.7736**.

A 20% lighter version of the original color is **66.7317, 81.2385, 106.7712**, and **16.2423, 20.7299, 35.4930** is the 20% darker color. If you saturate the color by 10%, you get **33.4173, 41.6850, 69.2363**, and if you desaturate by 10%, it is **40.7142, 48.4761, 70.1625**.

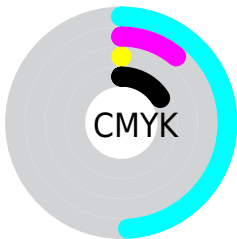
Distribution



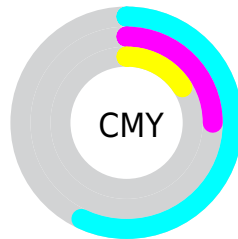
- Red (43%)
- Green (75%)
- Blue (84%)



- Red (43%)
- Yellow (61%)
- Blue (84%)



- Cyan (49%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (57%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7304, 44.8822, 69.6780 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 36.7304, 44.8822, 69.6780 by changing the saturation by 10% instead.

■ 36.7304, 44.8822,
69.6780

■ 36.7304, 44.8822,
69.6780

323.5177,
366.2963, 478.1771

■ 25.1715, 31.3646,
50.7889

■ 69.4745, 82.5436,
120.4263

■ 16.3343, 20.8767,
35.6651

■ 91.3904, 107.4563,
153.1225

■ 9.8534, 13.0339,
23.8880

■ 117.4894,
136.9361, 191.2581

■ 5.3634, 7.4519,
15.0391

148.1368,
171.3674, 235.2518

■ 2.4989, 3.7463,
8.6999

183.6979,
211.1347, 285.5220

■ 0.8947, 1.5327,
4.4518

224.5382,

■ 0.0000, 0.3116,

256.6224, 342.4872

1.8764

271.0230,
308.2148, 406.5661

■ 0.0000, 0.0000,
0.4776

■ 0.0000, 0.0000,
0.0000

■ 36.7304, 44.8822,
69.6780

■ 36.7304, 44.8822,
69.6780

■ 33.4173, 41.6850,
69.2363

■ 40.7142, 48.4761,
70.1625

■ 30.7236, 38.8546,
68.8320

■ 45.4066, 52.4837,
70.6888

■ 28.5974, 36.3648,
68.4634

■ 50.8479, 56.9272,
71.2597

■ 26.9759, 34.1828,
68.1277

■ 57.0737, 61.8255,
71.8770

■ 25.7601, 32.2570,
67.8201

■ 64.1176, 67.1961,
72.5424

■ 25.6279, 32.0392,
67.7850

■ 72.0110, 73.0559,
73.2574

■ 79.6316, 78.8266,
73.9696

■ 80.9076, 81.3785,
74.3949

■ 82.2188, 84.0010,
74.8320

Harmonies

Analogous

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



34.6195, 44.8822, 56.2309



36.7304, 44.8822, 69.6780



40.5163, 44.8822, 78.1740

Triad

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



36.7304, 44.8822, 69.6780



51.9391, 44.8822, 55.3815



40.2545, 44.8822, 28.1347

Complementary

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



36.7304, 44.8822, 69.6780



38.4532, 31.7540, 18.5719

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.



44.8763, 44.8822, 27.9908



36.7304, 44.8822, 69.6780



51.8562, 44.8822, 42.1796

Square

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



36.7304, 44.8822, 69.6780



49.4128, 44.8822, 68.9595



49.1939, 44.8822, 32.6800



36.5508, 44.8822, 33.1171

Rectangle

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



36.7304, 44.8822, 69.6780



43.5856, 44.8822, 79.0476



49.1939, 44.8822, 32.6800



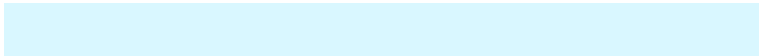
41.7460, 44.8822, 27.5542

Sweetspot

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



36.7318, 44.8839, 69.6791



79.7116, 88.1747, 107.4259



34.2351, 52.4939, 29.9922



16.6482, 18.5451, 22.9520



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.



36.7318, 44.8839, 69.6791



49.8723, 62.2947, 104.0033



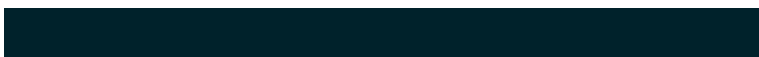
27.4739, 26.3680, 66.5931



12.5484, 13.6202, 15.9051



15.7332, 19.7281, 41.4318



1.0078, 1.3076, 2.5186

Inverse Universe

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



42.2047, 28.8025, 52.0519



59.3943, 36.5311, 72.8376



47.2457, 49.3389, 21.5027



12.8300, 12.5835, 15.0450



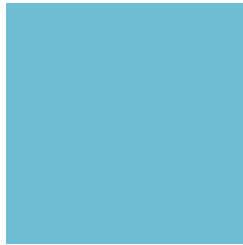
21.0002, 10.3364, 23.1030



1.2963, 0.6353, 1.5498

Previews

White Background



This preview shows how the XYZ color 36.7304, 44.8822, 69.6780 looks on a white background.

Color Contrast Check

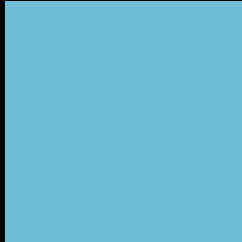
Large Text (above 18pt) WCAG AA × Fail

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 36.7304, 44.8822, 69.6780 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 36.7304, 44.8822, 69.6780

Background



This preview shows how black text looks on a background with the XYZ color 36.7304, 44.8822, 69.6780.



This preview shows how white text looks on a background with the XYZ color 36.7304, 44.8822,

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

36.7304, 44.8822, 69.6780

Protanopia

43.6580, 44.2945, 63.3754

Deuteranopia

45.4352, 44.4601, 71.1527



Tritanopia

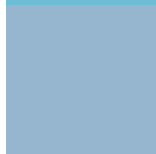
35.9567, 44.8924, 65.8015

Trichromacy



Original Color

36.7304, 44.8822, 69.6780



Protanomaly

40.3640, 44.0368, 65.4040



Deuteranomaly

41.5359, 44.2242, 70.6369



Tritanomaly

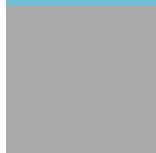
36.3238, 45.0532, 67.1033

Monochromacy



Original Color

36.7304, 44.8822, 69.6780



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

36.2097, 40.7144, 51.2976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7304, 44.8822, 69.6780 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, 190, 213)` looks like.

```
.text, #text, p{  
    color:rgb(109, 190, 213)  
}
```

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, 190, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 190, 213) }
```

Border

The CSS property to change the border of an element to XYZ 36.7304, 44.8822, 69.6780 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, 190, 213) }
```


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

```
.border{ border-color:rgb(109, 190, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 190, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 190, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 190, 213);  
box-shadow:4px 4px 4px 4px rgb(109, 190,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7304, 44.8822, 69.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 190, 213) }
```

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

```
.background{ background-color: rgb(109,  
190, 213) }
```

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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