

Converting Colors

XYZ(34.5242, 43.4342, 61.7663)

Have a look what the booklet for
XYZ(34.5242, 43.4342, 61.7663)
contains.

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Color

**XYZ(34.4697, 43.2477,
61.7892)**

Conversions

Conversions Part 1

Format	Color
Hex	6ABCC9
RGB	106, 188, 201
RGB Percent	42%, 74%, 79%
CMY	0.5843, 0.2627, 0.2118
CMYK	0.47, 0.06, 0.00, 0.21
HSL	188°, 47%, 60%
HSV	188°, 47%, 79%
XYZ	34.4697, 43.2477, 61.7892
YIQ	164.9640, -53.0450, -13.3410

Conversions

Conversions Part 2

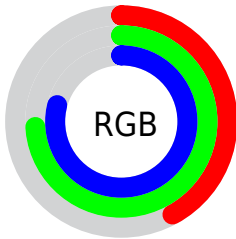
Format	Color
RYB	106, 150, 201
Decimal	6995145
CIELab	71.72, -21.55, -14.34
CIElCh	72, 25.885, 213.631
Yxy	43.2477, 0.2471, 0.3100
Android (android.graphics.Color)	4285185225 (0xFF6ABCC9)
YUV	164.9640, 17.7657, -51.7114
Hunter-Lab	65.7630, -21.5244, -9.6733

Details

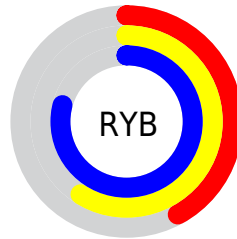
The XYZ color **34.4697, 43.2477, 61.7892** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.2865, 26.6525, 17.0269**, and the grayscale version is **35.6838, 37.5422, 40.8834**.

A 20% lighter version of the original color is **65.5049, 79.7079, 106.5404**, and **15.1027, 20.0389, 30.6757** is the 20% darker color. If you saturate the color by 10%, you get **31.7736, 40.9949, 61.4972**, and if you desaturate by 10%, it is **37.7394, 45.8148, 62.1131**.

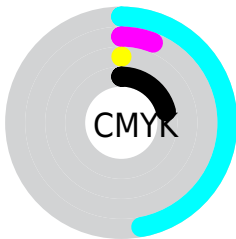
Distribution



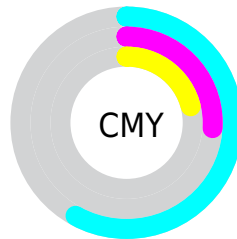
- Red (42%)
- Green (74%)
- Blue (79%)



- Red (42%)
- Yellow (59%)
- Blue (79%)



- Cyan (47%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)



- Cyan (58%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4697, 43.2477, 61.7892 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 34.4697, 43.2477, 61.7892 by changing the saturation by 10% instead.

■ 34.4697, 43.2477,
61.7892

■ 34.4697, 43.2477,
61.7892

313.7706,
359.6294, 449.1482

■ 23.4193, 30.0795,
44.4277

■ 66.0029, 80.0845,
108.9894

■ 15.0258, 19.8989,
30.6672

■ 87.2163, 104.5219,
139.6653

■ 8.9239, 12.3216,
20.0892

■ 112.5482,
133.4845, 175.6163

■ 4.7483, 6.9631,
12.2752

■ 142.3637,
167.3568, 217.2610

■ 2.1336, 3.4390,
6.8066

177.0284,
206.5230, 265.0181

■ 0.7074, 1.3650,
3.2648

216.9075,

■ 0.0000, 0.1907,

251.3675, 319.3059

1.2314

262.3665,
302.2749, 380.5431

■ 0.0000, 0.0000,
0.0046

■ 0.0000, 0.0000,
0.0000

■ 34.4697, 43.2477,
61.7892

■ 34.4697, 43.2477,
61.7892

■ 31.7736, 40.9949,
61.4972

■ 37.7394, 45.8148,
62.1131

■ 29.6075, 39.0308,
61.2323

■ 41.6147, 48.7098,
62.4677

■ 27.9275, 37.3338,
60.9933

■ 46.1298, 51.9515,
62.8554

■ 26.6813, 35.8768,
60.7777

■ 51.3153, 55.5557,
63.2778

■ 25.7965, 34.6223,
60.5822

■ 57.1996, 59.5371,
63.7361

■ 25.5822, 34.2961,
60.5306

■ 63.8098, 63.9097,
64.2317

■ 71.1711, 68.6868,
64.7658

■ 74.8305, 71.5727,
65.1300

■ 75.5154, 72.9424,
65.3583

Harmonies

Analogous

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



33.2431, 43.2477, 48.6373



34.4697, 43.2477, 61.7892



37.4690, 43.2477, 72.2424

Triad

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



34.4697, 43.2477, 61.7892



49.1427, 43.2477, 58.6646



40.5733, 43.2477, 26.8472

Complementary

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



34.4697, 43.2477, 61.7892



33.2865, 26.6525, 17.0269

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.



44.9703, 43.2477, 28.5795



34.4697, 43.2477, 61.7892



50.1194, 43.2477, 45.5747

Square

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



34.4697, 43.2477, 61.7892



45.9607, 43.2477, 70.2247



48.5429, 43.2477, 34.9281



36.6051, 43.2477, 29.6912

Rectangle

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



34.4697, 43.2477, 61.7892



40.1763, 43.2477, 75.4360



48.5429, 43.2477, 34.9281



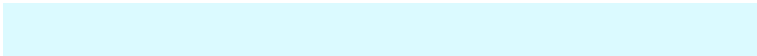
42.0492, 43.2477, 26.9165

Sweetspot

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



34.4710, 43.2494, 61.7902



81.5752, 90.7696, 107.8285



30.1413, 46.1623, 24.6708



17.0613, 19.1484, 23.0467



0.0000, 0.0000, 0.0000



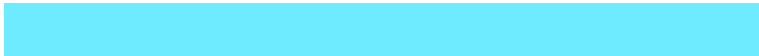
20.3446, 21.4041, 23.3091

Same Dimension

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



34.4710, 43.2494, 61.7902



54.1775, 69.9937, 105.2624



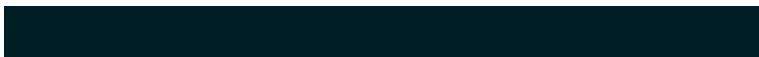
25.9879, 26.2831, 58.9625



10.8182, 11.8105, 13.6270



16.1346, 21.6630, 38.0754



0.7991, 1.0959, 1.8146

Inverse Universe

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



38.3196, 26.3576, 50.6467



61.7899, 38.3411, 82.8264



40.3564, 40.7923, 19.3835



11.0183, 10.7907, 13.0795



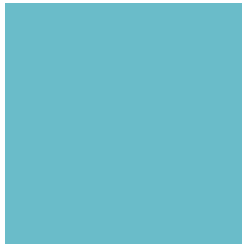
19.9433, 9.7269, 25.9751



0.9620, 0.4677, 1.3232

Previews

White Background



This preview shows how the XYZ color 34.4697, 43.2477, 61.7892 looks on a white background.

Color Contrast Check

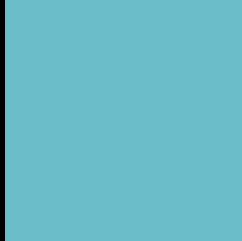
Large Text (above 18pt) WCAG AA × Fail

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 34.4697, 43.2477, 61.7892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

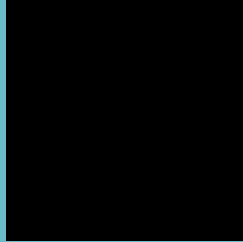
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.4697, 43.2477, 61.7892

Background



This preview shows how black text looks on a background with the XYZ color 34.4697, 43.2477, 61.7892.



This preview shows how white text looks on a background with the XYZ color 34.4697, 43.2477,

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

34.4697, 43.2477, 61.7892

Protanopia

41.8841, 42.9621, 55.9542

Deuteranopia

43.7138, 42.8807, 63.7304



Tritanopia

34.8261, 43.4040, 63.0422

Trichromacy



Original Color

34.4697, 43.2477, 61.7892

Protanomaly

38.3649, 42.5699, 57.8245

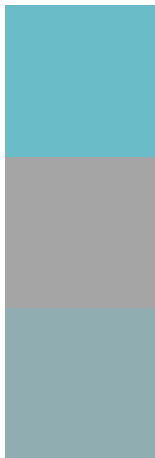
Deuteranomaly

39.3837, 42.3832, 63.2318

Tritanomaly

34.7073, 43.3565, 62.4165

Monochromacy



Original Color

34.4697, 43.2477, 61.7892

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.4811, 39.0308, 47.8358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4697, 43.2477, 61.7892 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, 188, 201)` looks like.

```
.text, #text, p{  
    color:rgb(106, 188, 201)  
}
```

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, 188, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 188, 201) }
```

Border

The CSS property to change the border of an element to XYZ 34.4697, 43.2477, 61.7892 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, 188, 201) }
```


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

```
.border{ border-color:rgb(106, 188, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 188, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 188, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 188, 201);  
box-shadow:4px 4px 4px 4px rgb(106, 188,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4697, 43.2477, 61.7892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 188, 201) }
```

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

```
.background{ background-color: rgb(106,  
188, 201) }
```

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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