

Converting Colors

XYZ(34.3366, 42.6875, 62.4595)

Have a look what the booklet for
XYZ(34.3366, 42.6875, 62.4595)
contains.

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Color

**XYZ(34.1634, 42.4463,
62.2695)**

Conversions

Conversions Part 1

Format	Color
Hex	6ABACA
RGB	106, 186, 202
RGB Percent	42%, 73%, 79%
CMY	0.5843, 0.2706, 0.2078
CMYK	0.48, 0.08, 0.00, 0.21
HSL	190°, 48%, 60%
HSV	190°, 48%, 79%
XYZ	34.1634, 42.4463, 62.2695
YIQ	163.9040, -52.8160, -11.9840

Conversions

Conversions Part 2

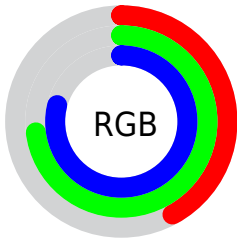
Format	Color
R _{YB}	106, 150, 202
Decimal	6994634
CIE Lab	71.18, -20.26, -15.70
CIE LCh	71, 25.635, 217.778
Yxy	42.4463, 0.2460, 0.3056
Android (android.graphics.Color)	4285184714 (0xFF6ABACA)
YUV	163.9040, 18.7813, -50.7818
Hunter-Lab	65.1508, -20.4132, -11.0623

Details

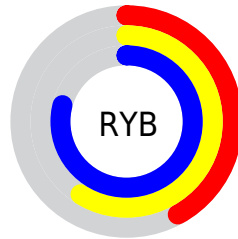
The XYZ color **34.1634, 42.4463, 62.2695** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.9189, 27.5169, 17.1602**, and the grayscale version is **35.1736, 37.0054, 40.2988**.

A 20% lighter version of the original color is **64.9064, 78.5108, 106.3409**, and **14.9051, 19.5175, 30.9986** is the 20% darker color. If you saturate the color by 10%, you get **31.3392, 39.9508, 61.9374**, and if you desaturate by 10%, it is **37.5723, 45.2699, 62.6356**.

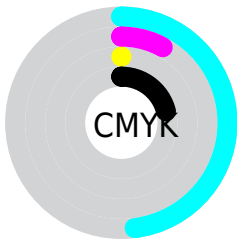
Distribution



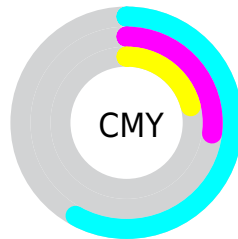
- Red (42%)
- Green (73%)
- Blue (79%)



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



- Cyan (48%)
- Magenta (8%)
- Yellow (0%)
- Black (21%)



- Cyan (58%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1634, 42.4463, 62.2695 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 34.1634, 42.4463, 62.2695 by changing the saturation by 10% instead.

■ 34.1634, 42.4463,
62.2695

■ 34.1634, 42.4463,
62.2695

312.4331,
356.3297, 450.9482

■ 23.1826, 29.4509,
44.8133

■ 65.5303, 78.8746,
109.6903

■ 14.8499, 19.4222,
30.9685

■ 86.6471, 103.0764,
140.4920

■ 8.7997, 11.9757,
20.3166

■ 111.8734,
131.7824, 176.5793

■ 4.6668, 6.7272,
12.4390

■ 141.5744,
165.3770, 218.3707

■ 2.0859, 3.2921,
6.9173

176.1155,
204.2446, 266.2847

■ 0.6815, 1.2860,
3.3328

215.8621,

■ 0.0000, 0.1304,

248.7697, 320.7400

1.2669

261.1795,
299.3366, 382.1550

■ 0.0000, 0.0000,
0.0345

■ 0.0000, 0.0000,
0.0000

■ 34.1634, 42.4463,
62.2695

■ 34.1634, 42.4463,
62.2695

■ 31.3392, 39.9508,
61.9374

■ 37.5723, 45.2699,
62.6356

■ 29.0553, 37.7576,
61.6345

■ 41.5985, 48.4357,
63.0345

■ 27.2674, 35.8446,
61.3595

■ 46.2766, 51.9628,
63.4687

■ 25.9219, 34.1838,
61.1098

■ 51.6379, 55.8673,
63.9398

■ 24.9434, 32.7364,
60.8820

■ 57.7111, 60.1643,
64.4491

■ 24.7259, 32.3945,
60.8275

■ 64.5237, 64.8681,
64.9979

■ 72.1014, 69.9921,
65.5876

■ 75.6785, 73.0796,
65.9950

■ 76.5337, 74.7901,
66.2801

Harmonies

Analogous

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



32.7036, 42.4463, 49.4917



34.1634, 42.4463, 62.2695



37.3012, 42.4463, 71.7456

Triad

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



34.1634, 42.4463, 62.2695



48.4804, 42.4463, 55.7491



39.2367, 42.4463, 26.5235

Complementary

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



34.1634, 42.4463, 62.2695



33.9189, 27.5169, 17.1602

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.



43.5478, 42.4463, 27.6004



34.1634, 42.4463, 62.2695



49.0903, 42.4463, 43.0896

Square

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



34.1634, 42.4463, 62.2695



45.6165, 42.4463, 67.5398



47.2283, 42.4463, 33.1912



35.4941, 42.4463, 29.9328

Rectangle

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



34.1634, 42.4463, 62.2695



40.0247, 42.4463, 74.1018



47.2283, 42.4463, 33.1912



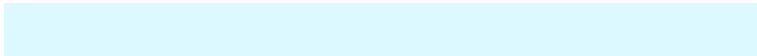
40.6648, 42.4463, 26.3858

Sweetspot

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



34.1647, 42.4479, 62.2705



81.2451, 90.1093, 107.7185



30.4798, 46.6719, 25.3000



16.9801, 18.9861, 23.0197



0.0000, 0.0000, 0.0000



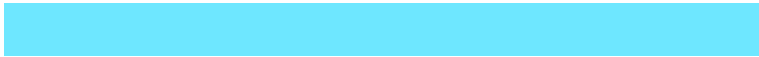
20.3446, 21.4041, 23.3091

Same Dimension

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



34.1647, 42.4479, 62.2705



52.9506, 67.5399, 104.8535



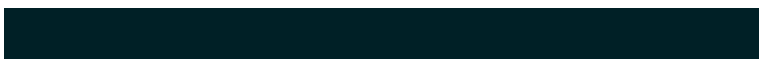
25.9253, 25.9690, 59.5240



11.3780, 12.3964, 14.3634



15.9669, 20.9577, 39.1600



0.8671, 1.1679, 2.0347

Inverse Universe

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



38.3751, 26.4109, 49.5314



61.1706, 38.0934, 79.5654



41.0362, 41.7514, 19.5326



11.6041, 11.3704, 13.7160



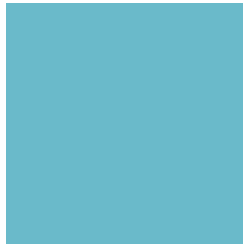
20.2702, 9.9187, 24.9395



1.0676, 0.5204, 1.4018

Previews

White Background



This preview shows how the XYZ color 34.1634, 42.4463, 62.2695 looks on a white background.

Color Contrast Check

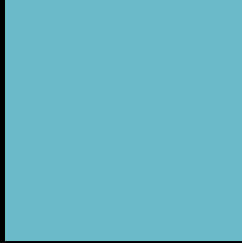
Large Text (above 18pt) WCAG AA × Fail

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 34.1634, 42.4463, 62.2695 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

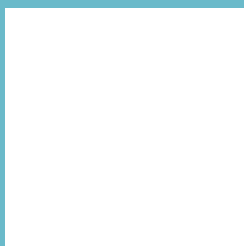
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1634, 42.4463, 62.2695

Background



This preview shows how black text looks on a background with the XYZ color 34.1634, 42.4463, 62.2695.



This preview shows how white text looks on a background with the XYZ color 34.1634, 42.4463,

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

34.1634, 42.4463, 62.2695

Protanopia

41.1727, 42.0132, 56.3914

Deuteranopia

42.7841, 41.8308, 64.2117



Tritanopia

34.0454, 42.3990, 61.6478

Trichromacy



Original Color

34.1634, 42.4463, 62.2695

Protanomaly

37.7186, 41.6328, 58.2725

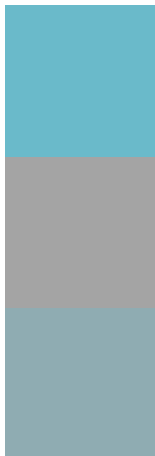
Deuteranomaly

38.7438, 41.4573, 63.7176

Tritanomaly

34.0454, 42.3990, 61.6478

Monochromacy



Original Color

34.1634, 42.4463, 62.2695

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.1161, 38.5590, 47.7640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1634, 42.4463, 62.2695 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, 186, 202)` looks like.

```
.text, #text, p{  
    color:rgb(106, 186, 202)  
}
```

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, 186, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 186, 202) }
```

Border

The CSS property to change the border of an element to XYZ 34.1634, 42.4463, 62.2695 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, 186, 202) }
```


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

```
.border{ border-color:rgb(106, 186, 202) }
```

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

Here you see how a box with a 4 pixel rgb(106, 186, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 186, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 186, 202);  
box-shadow:4px 4px 4px 4px rgb(106, 186,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1634, 42.4463, 62.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 186, 202) }
```

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

```
.background{ background-color: rgb(106,  
186, 202) }
```

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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