

Converting Colors

XYZ(34.4397, 42.6629, 64.2484)

Have a look what the booklet for
XYZ(34.4397, 42.6629, 64.2484)
contains.

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Color

**XYZ(34.4040, 42.5288,
64.1532)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 69BACD |
| RGB | 105, 186, 205 |
| RGB Percent | 41%, 73%, 80% |
| CMY | 0.5882, 0.2706, 0.1961 |
| CMYK | 0.49, 0.09, 0.00, 0.20 |
| HSL | 191°, 50%, 61% |
| HSV | 191°, 49%, 80% |
| XYZ | 34.4040, 42.5288, 64.1532 |
| YIQ | 163.9470, -54.3750, -11.2630 |

Conversions

Conversions Part 2

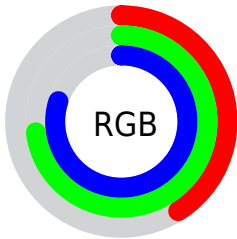
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 105, 150, 205 |
| Decimal | 6929101 |
| CIE Lab | 71.23, -19.67, -17.26 |
| CIE LCh | 71, 26.173, 221.270 |
| Yxy | 42.5288, 0.2439, 0.3014 |
| Android (android.graphics.Color) | 4285119181 (0xFF69BACD) |
| YUV | 163.9470, 20.2391, -51.6965 |
| Hunter-Lab | 65.2141, -19.9562, -12.6756 |

Details

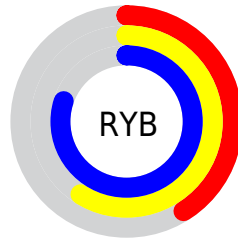
The XYZ color **34.4040, 42.5288, 64.1532** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.9352, 28.4152, 17.0092**, and the grayscale version is **35.1878, 37.0203, 40.3152**.

A 20% lighter version of the original color is **64.7024, 78.4056, 106.3314**, and **15.0556, 19.5673, 32.2615** is the 20% darker color. If you saturate the color by 10%, you get **31.4712, 39.8162, 63.7850**, and if you desaturate by 10%, it is **37.9422, 45.5885, 64.5581**.

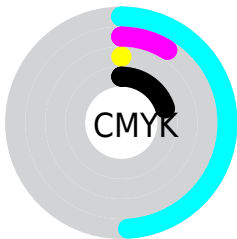
Distribution



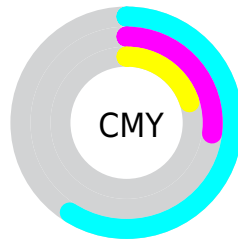
- Red (41%)
- Green (73%)
- Blue (80%)



- Red (41%)
- Yellow (59%)
- Blue (80%)



- Cyan (49%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (59%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4040, 42.5288, 64.1532 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 34.4040, 42.5288, 64.1532 by changing the saturation by 10% instead.

■ 34.4040, 42.5288,
64.1532

■ 34.4040, 42.5288,
64.1532

313.4840,
356.6704, 457.9653

■ 23.3685, 29.5156,
46.3278

■ 65.9016, 78.9993,
112.4331

■ 14.9880, 19.4712,
32.1540

■ 87.0943, 103.2254,
143.7247

■ 8.8972, 12.0112,
21.2134

■ 112.4035,
131.9579, 180.3421

■ 4.7308, 6.7513,
13.0873

■ 142.1946,
165.5812, 222.7039

■ 2.1233, 3.3071,
7.3573

176.8328,
204.4797, 271.2286

■ 0.7018, 1.2941,
3.6047

216.6835,

■ 0.0000, 0.1366,

249.0378, 326.3347

1.4111

262.1122,
299.6399, 388.4407

■ 0.0000, 0.0000,
0.1503

■ 0.0000, 0.0000,
0.0000

■ 34.4040, 42.5288,
64.1532

■ 34.4040, 42.5288,
64.1532

■ 31.4712, 39.8162,
63.7850

■ 37.9422, 45.5885,
64.5581

■ 29.0971, 37.4238,
63.4483

■ 42.1201, 49.0105,
64.9984

■ 27.2348, 35.3278,
63.1419

■ 46.9742, 52.8148,
65.4768

■ 25.8273, 33.4987,
62.8630

■ 52.5369, 57.0184,
65.9950

■ 24.7835, 31.8892,
62.6074

■ 58.8386, 61.6372,
66.5544

■ 24.6655, 31.6997,
62.5770

■ 65.9078, 66.6861,
67.1564

■ 73.7717, 72.1794,
67.8022

■ 77.1140, 75.3767,
68.2432

■ 78.1308, 77.4103,
68.5821

Harmonies

Analogous

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



32.6962, 42.5288, 51.1938



34.4040, 42.5288, 64.1532



37.7720, 42.5288, 73.1820

Triad

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



34.4040, 42.5288, 64.1532



48.9551, 42.5288, 54.5112



38.7950, 42.5288, 26.4139

Complementary

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



34.4040, 42.5288, 64.1532



34.9352, 28.4152, 17.0092

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.



43.1939, 42.5288, 26.9777



34.4040, 42.5288, 64.1532



49.2788, 42.5288, 41.7408

Square

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



34.4040, 42.5288, 64.1532



46.2498, 42.5288, 66.9570



47.1046, 42.5288, 32.1209



35.1062, 42.5288, 30.4094

Rectangle

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



34.4040, 42.5288, 64.1532



40.6098, 42.5288, 74.9245



47.1046, 42.5288, 32.1209



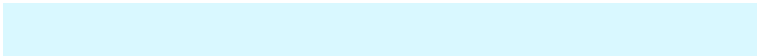
40.2355, 42.5288, 26.0986

Sweetspot

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



34.4053, 42.5304, 64.1542



80.0764, 88.9041, 107.5475



31.2541, 48.1053, 26.4877



16.7367, 18.7221, 22.9816



0.0000, 0.0000, 0.0000



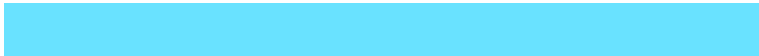
20.3446, 21.4041, 23.3091

Same Dimension

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



34.4053, 42.5304, 64.1542



51.1327, 64.8155, 104.4234



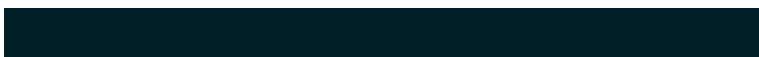
25.7446, 25.2090, 61.2673



11.3551, 12.3506, 14.3558



15.4210, 19.8660, 38.9780



0.8434, 1.1206, 2.0268

Inverse Universe

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



39.0924, 26.6286, 49.5355



60.0305, 36.7856, 76.1878



42.7352, 44.0153, 19.6092



11.5926, 11.3658, 13.6552



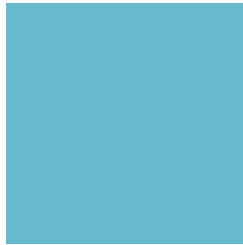
19.9947, 9.8085, 23.4887



1.0557, 0.5157, 1.3390

Previews

White Background



This preview shows how the XYZ color 34.4040, 42.5288, 64.1532 looks on a white background.

Color Contrast Check

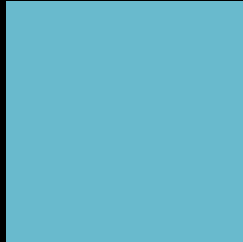
Large Text (above 18pt) WCAG AA × Fail

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 34.4040, 42.5288, 64.1532 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 34.4040, 42.5288, 64.1532

Background



This preview shows how black text looks on a background with the XYZ color 34.4040, 42.5288, 64.1532.



This preview shows how white text looks on a background with the XYZ color 34.4040, 42.5288,

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

34.4040, 42.5288, 64.1532

Protanopia

41.2939, 42.0366, 58.1620

Deuteranopia

43.1169, 42.2371, 66.2017



Tritanopia

34.1399, 42.7480, 62.3289

Trichromacy



Original Color

34.4040, 42.5288, 64.1532

Protanomaly

37.8850, 41.6788, 60.0809

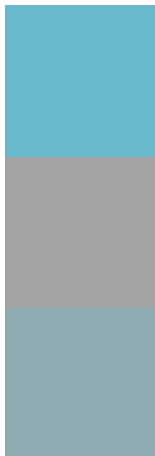
Deuteranomaly

39.1232, 41.9006, 65.7001

Tritanomaly

34.2587, 42.7955, 62.9546

Monochromacy



Original Color

34.4040, 42.5288, 64.1532

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.2169, 38.5994, 48.2948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4040, 42.5288, 64.1532 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(105, 186, 205)` looks like.

```
.text, #text, p{  
    color:rgb(105, 186, 205)  
}
```

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(105, 186, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 186, 205) }
```

Border

The CSS property to change the border of an element to XYZ 34.4040, 42.5288, 64.1532 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(105, 186, 205) }
```


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

```
.border{ border-color:rgb(105, 186, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 186, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 186, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 186, 205);  
box-shadow:4px 4px 4px 4px rgb(105, 186,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4040, 42.5288, 64.1532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 186, 205) }
```

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

```
.background{ background-color: rgb(105,  
186, 205) }
```

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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