

Converting Colors

XYZ(35.2906, 40.0907, 66.1720)

Have a look what the booklet for
XYZ(35.2906, 40.0907, 66.1720)
contains.

XYZ(35.3991, 40.2587, 66.2266)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.3991, 40.2587,
66.2266)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB1D1
RGB	123, 177, 209
RGB Percent	48%, 69%, 82%
CMY	0.5176, 0.3059, 0.1804
CMYK	0.41, 0.15, 0.00, 0.18
HSL	202°, 48%, 65%
HSV	202°, 41%, 82%
XYZ	35.3991, 40.2587, 66.2266
YIQ	164.5020, -42.4560, -1.4960

Conversions

Conversions Part 2

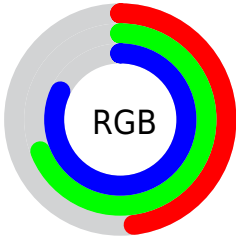
Format	Color
R _{YB}	123, 156, 209
Decimal	8106449
CIE _{Lab}	69.65, -9.46, -21.78
CIE _{LCh}	70, 23.741, 246.528
Y _{xy}	40.2587, 0.2495, 0.2837
Android (android.graphics.Color)	4286296529 (0xFF7BB1D1)
YUV	164.5020, 21.9375, -36.3973
Hunter-Lab	63.4497, -11.4505, -17.4700

Details

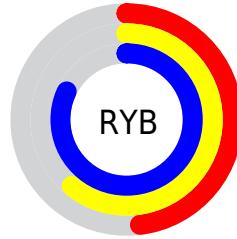
The XYZ color **35.3991, 40.2587, 66.2266** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.5917, 38.4287, 23.9653**, and the grayscale version is **35.4400, 37.2856, 40.6040**.

A 20% lighter version of the original color is **65.7793, 75.0815, 105.6330**, and **15.4946, 18.0136, 33.2322** is the 20% darker color. If you saturate the color by 10%, you get **31.2301, 35.8947, 65.6047**, and if you desaturate by 10%, it is **40.2964, 45.1299, 66.9094**.

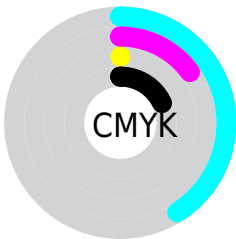
Distribution



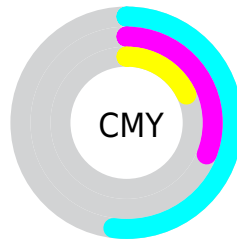
- Red (48%)
- Green (69%)
- Blue (82%)



- Red (48%)
- Yellow (61%)
- Blue (82%)



- Cyan (41%)
- Magenta (15%)
- Yellow (0%)
- Black (18%)



- Cyan (52%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3991, 40.2587, 66.2266 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 35.3991, 40.2587, 66.2266 by changing the saturation by 10% instead.

■ 35.3991, 40.2587,
66.2266

■ 35.3991, 40.2587,
66.2266

317.8037,
347.2127, 465.6132

■ 24.1384, 27.7403,
47.9987

■ 67.4335, 75.5573,
115.4416

■ 15.5616, 18.1300,
33.4659

■ 88.9380, 99.1063,
147.2658

■ 9.3034, 11.0434,
22.2096

■ 114.5878,
127.1009, 184.4592

■ 4.9983, 6.0960,
13.8112

144.7482,
159.9256, 227.4404

■ 2.2810, 2.9035,
7.8522

179.7847,
197.9647, 276.6278

■ 0.7849, 1.0816,
3.9141

220.0625,

■ 0.0000, 0.0000,

241.6027, 332.4401

1.5783

265.9470,
291.2239, 395.2957

■ 0.0000, 0.0000,
0.2753

■ 0.0000, 0.0000,
0.0000

■ 35.3991, 40.2587,
66.2266

■ 35.3991, 40.2587,
66.2266

■ 31.2301, 35.8947,
65.6047

■ 40.2964, 45.1299,
66.9094

■ 27.7432, 32.0092,
65.0385

■ 45.9570, 50.5258,
67.6526

■ 24.8924, 28.5773,
64.5263

■ 52.4179, 56.4683,
68.4591

■ 22.6239, 25.5689,
64.0652

■ 59.7128, 62.9769,
69.3309

■ 20.8735, 22.9486,
63.6517

■ 67.8730, 70.0696,
70.2698

■ 19.6568, 20.8997,
63.3204

■ 76.9285, 77.7637,
71.2777

■ 81.4476, 83.2611,
72.1006

■ 83.6783, 87.7225,
72.8442

■ 86.0069, 92.3798,
73.6204

Harmonies

Analogous

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



32.6341, 40.2587, 57.6607



35.3991, 40.2587, 66.2266



39.1100, 40.2587, 68.3723

Triad

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



35.3991, 40.2587, 66.2266



46.0772, 40.2587, 41.4752



34.0370, 40.2587, 28.9467

Complementary

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



35.3991, 40.2587, 66.2266



41.5917, 38.4287, 23.9653

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.



37.4316, 40.2587, 26.0070



35.3991, 40.2587, 66.2266



44.5083, 40.2587, 32.4172

Square

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



35.3991, 40.2587, 66.2266



45.4429, 40.2587, 52.8063



41.2809, 40.2587, 27.1622



31.8852, 40.2587, 35.9419

Rectangle

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



35.3991, 40.2587, 66.2266



41.6572, 40.2587, 65.6014



41.2809, 40.2587, 27.1622



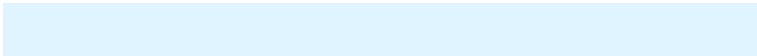
35.0615, 40.2587, 27.5098

Sweetspot

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



35.4004, 40.2602, 66.2275



81.1494, 87.6008, 107.2394



36.8471, 52.1637, 38.9329



17.0706, 18.4783, 22.9169



0.0000, 0.0000, 0.0000



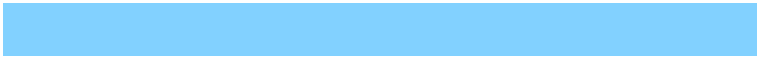
20.3446, 21.4041, 23.3091

Same Dimension

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



35.4004, 40.2602, 66.2275



49.9437, 57.3300, 103.0412



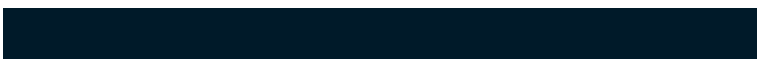
28.2678, 25.9950, 63.8500



11.7733, 12.6369, 15.0623



12.2169, 13.0804, 39.0734



0.7578, 0.8807, 2.2096

Inverse Universe

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



41.3143, 30.8967, 45.3828



60.6772, 41.8177, 64.8768



49.9581, 55.1614, 26.7541



12.1165, 11.9313, 13.8891



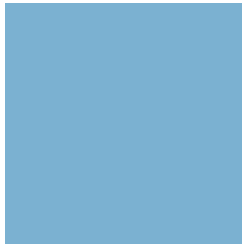
18.7973, 9.3917, 14.3704



1.0887, 0.5402, 1.0020

Previews

White Background



This preview shows how the XYZ color 35.3991, 40.2587, 66.2266 looks on a white background.

Color Contrast Check

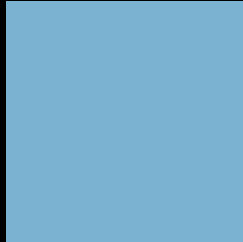
Large Text (above 18pt) WCAG AA × Fail

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 35.3991, 40.2587, 66.2266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

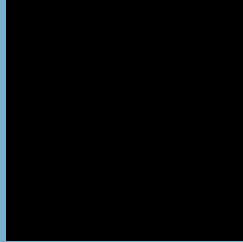
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.3991, 40.2587, 66.2266

Background



This preview shows how black text looks on a background with the XYZ color 35.3991, 40.2587, 66.2266.

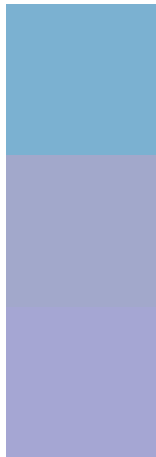


This preview shows how white text looks on a background with the XYZ color 35.3991, 40.2587,

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

35.3991, 40.2587, 66.2266

Protanopia

39.6824, 39.9984, 62.1289

Deuteranopia

40.9111, 39.9749, 67.1877



Tritanopia

33.6666, 40.4595, 57.0740

Trichromacy



Original Color

35.3991, 40.2587, 66.2266

Protanomaly

37.7951, 39.8295, 63.4535

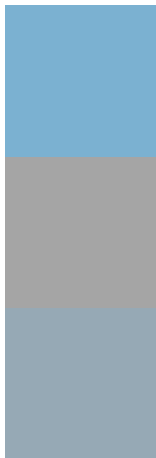
Deuteranomaly

38.5853, 39.8866, 66.6380

Tritanomaly

34.1746, 40.3568, 60.0213

Monochromacy



Original Color

35.3991, 40.2587, 66.2266

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.1061, 38.1962, 49.2384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3991, 40.2587, 66.2266 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(123, 177, 209)` looks like.

```
.text, #text, p{  
    color:rgb(123, 177, 209)  
}
```

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(123, 177, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 177, 209) }
```

Border

The CSS property to change the border of an element to XYZ 35.3991, 40.2587, 66.2266 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(123, 177, 209) }
```


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

```
.border{ border-color:rgb(123, 177, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 177, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 177, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 177, 209);  
box-shadow:4px 4px 4px 4px rgb(123, 177,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3991, 40.2587, 66.2266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 177, 209) }
```

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

```
.background{ background-color: rgb(123,  
177, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor