

Converting Colors

XYZ(33.0689, 40.4999, 66.3968)

Have a look what the booklet for
XYZ(33.0689, 40.4999, 66.3968)
contains.

XYZ(33.0604, 40.5461, 66.4053)	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(33.0604, 40.5461,
66.4053)**

Conversions

Conversions Part 1

Format	Color
Hex	60B6D1
RGB	96, 182, 209
RGB Percent	38%, 71%, 82%
CMY	0.6235, 0.2863, 0.1804
CMYK	0.54, 0.13, 0.00, 0.18
HSL	194°, 55%, 60%
HSV	194°, 54%, 82%
XYZ	33.0604, 40.5461, 66.4053
YIQ	159.3640, -59.9230, -9.8350

Conversions

Conversions Part 2

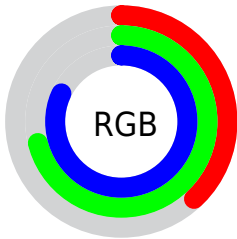
Format	Color
RYB	96, 145, 209
Decimal	6338257
CIELab	69.86, -18.44, -21.58
CIELCh	70, 28.382, 229.490
Yxy	40.5461, 0.2361, 0.2896
Android (android.graphics.Color)	4284528337 (0xFF60B6D1)
YUV	159.3640, 24.4705, -55.5702
Hunter-Lab	63.6758, -18.7557, -17.2584

Details

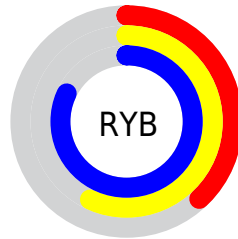
The XYZ color **33.0604, 40.5461, 66.4053** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **35.4898, 28.5669, 14.7110**, and the grayscale version is **33.0335, 34.7538, 37.8469**.

A 20% lighter version of the original color is **61.9510, 75.2391, 105.8652**, and **14.2733, 18.3283, 33.7958** is the 20% darker color. If you saturate the color by 10%, you get **30.1426, 37.5515, 65.9818**, and if you desaturate by 10%, it is **36.6017, 43.9180, 66.8702**.

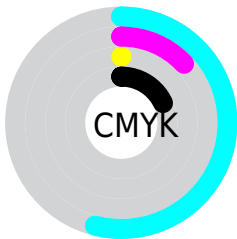
Distribution



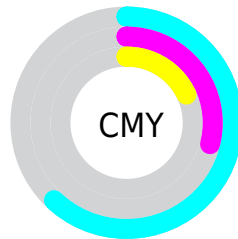
- Red (38%)
- Green (71%)
- Blue (82%)



- Red (38%)
- Yellow (57%)
- Blue (82%)



- Cyan (54%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (62%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0604, 40.5461, 66.4053 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 33.0604, 40.5461, 66.4053 by changing the saturation by 10% instead.

■ 33.0604, 40.5461,
66.4053

■ 33.0604, 40.5461,
66.4053

307.5820,
348.4200, 466.2687

■ 22.3322, 27.9646,
48.1429

■ 63.8239, 75.9944,
115.7004

■ 14.2192, 18.2990,
33.5793

■ 84.5898, 99.6299,
147.5702

■ 8.3560, 11.1648,
22.2958

■ 109.4324,
127.7190, 184.8129

■ 4.3773, 6.1778,
13.8741

■ 138.7169,
160.6459, 227.8470

■ 1.9177, 2.9535,
7.8954

172.8088,
198.7950, 277.0911

■ 0.5871, 1.1075,
3.9413

212.0734,

■ 0.0000, 0.0000,

242.5508, 332.9638

1.5932

256.8760,
292.2977, 395.8834

■ 0.0000, 0.0000,
0.2859

■ 0.0000, 0.0000,
0.0000

■ 33.0604, 40.5461,
66.4053

■ 33.0604, 40.5461,
66.4053

■ 30.1426, 37.5515,
65.9818

■ 36.6017, 43.9180,
66.8702

■ 27.7966, 34.9044,
65.5945

■ 40.8053, 47.6852,
67.3758

■ 25.9685, 32.5773,
65.2417

■ 45.7111, 51.8696,
67.9249

■ 24.5914, 30.5351,
64.9201

■ 51.3547, 56.4901,
68.5193

■ 23.9179, 29.4218,
64.7407

■ 57.7694, 61.5644,
69.1607

■ 64.9860, 67.1089,
69.8505

■ 73.0340, 73.1394,
70.5903

■ 78.8574, 78.0808,
71.2372

■ 80.2031, 80.7722,
71.6858

Harmonies

Analogous

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



30.7690, 40.5461, 53.1736



33.0604, 40.5461, 66.4053



36.9430, 40.5461, 74.1177

Triad

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



33.0604, 40.5461, 66.4053



47.9297, 40.5461, 48.9437



35.6546, 40.5461, 24.2755

Complementary

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



33.0604, 40.5461, 66.4053



35.4898, 28.5669, 14.7110

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.



40.1779, 40.5461, 23.5913



33.0604, 40.5461, 66.4053



47.5153, 40.5461, 36.2059

Square

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



33.0604, 40.5461, 66.4053



45.6798, 40.5461, 62.7826



44.5892, 40.5461, 27.5190



32.1820, 40.5461, 29.6218

Rectangle

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



33.0604, 40.5461, 66.4053



40.0183, 40.5461, 74.2286



44.5892, 40.5461, 27.5190



37.0944, 40.5461, 23.5397

Sweetspot

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



33.0617, 40.5476, 66.4063



78.5685, 87.0034, 107.2601



31.1610, 49.5029, 26.4457



16.4128, 18.2936, 22.9159



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.



33.0617, 40.5476, 66.4063



46.5955, 58.1596, 103.3778



23.8116, 22.0475, 63.3229



11.9090, 12.9084, 15.1075



14.8265, 18.2996, 39.9432



0.8881, 1.1414, 2.2531

Inverse Universe

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



38.9219, 25.2997, 47.0894



57.1501, 33.3732, 67.9873



44.5002, 46.5878, 17.7145



12.1850, 11.9587, 14.2499



20.1145, 9.9186, 21.3067



1.1545, 0.5665, 1.3484

Previews

White Background



This preview shows how the XYZ color 33.0604, 40.5461, 66.4053 looks on a white background.

Color Contrast Check

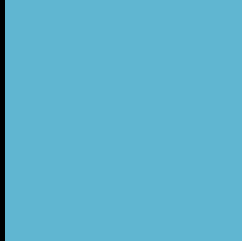
Large Text (above 18pt) WCAG AA × Fail

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 33.0604, 40.5461, 66.4053 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 33.0604, 40.5461, 66.4053

Background



This preview shows how black text looks on a background with the XYZ color 33.0604, 40.5461, 66.4053.



This preview shows how white text looks on a background with the XYZ color 33.0604, 40.5461,

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

33.0604, 40.5461, 66.4053

Protanopia

39.7378, 40.0679, 60.2831

Deuteranopia

40.8297, 39.9184, 67.8404



Tritanopia

31.8629, 40.6798, 60.2055

Trichromacy



Original Color

33.0604, 40.5461, 66.4053

Protanomaly

36.3705, 39.6879, 62.2435

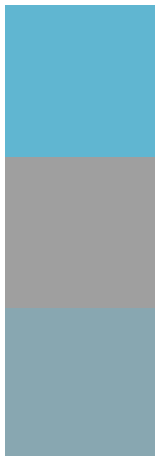
Deuteranomaly

37.1579, 39.6972, 67.3319

Tritanomaly

32.2272, 40.5059, 62.6198

Monochromacy



Original Color

33.0604, 40.5461, 66.4053

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.9079, 36.0460, 46.8708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0604, 40.5461, 66.4053 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(96, 182, 209)` looks like.

```
.text, #text, p{  
    color:rgb(96, 182, 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(96, 182, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 182, 209) }
```

Border

The CSS property to change the border of an element to XYZ 33.0604, 40.5461, 66.4053 is called "border". The border property can be set on classes, ids or directly on the HTML element.

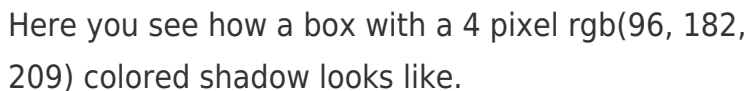
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 182, 209) }
```


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

```
.border{ border-color:rgb(96, 182, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 182, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 182, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 182, 209);  
box-shadow:4px 4px 4px 4px rgb(96, 182,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0604, 40.5461, 66.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 182, 209) }
```

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

```
.background{ background-color: rgb(96, 182,  
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](#).

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