

Converting Colors

XYZ(31.3040, 34.1760, 62.9095)

Have a look what the booklet for
XYZ(31.3040, 34.1760, 62.9095)
contains.

XYZ(31.3191, 34.3152, 62.7304)	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(31.3191, 34.3152,
62.7304)**

Conversions

Conversions Part 1

Format	Color
Hex	74A3CD
RGB	116, 163, 205
RGB Percent	45%, 64%, 80%
CMY	0.5451, 0.3608, 0.1961
CMYK	0.43, 0.20, 0.00, 0.20
HSL	208°, 47%, 63%
HSV	208°, 43%, 80%
XYZ	31.3191, 34.3152, 62.7304
YIQ	153.7350, -41.4940, 3.0980

Conversions

Conversions Part 2

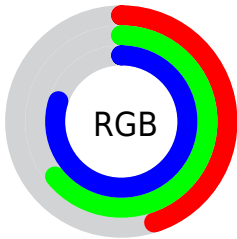
Format	Color
R _{YB}	116, 147, 205
Decimal	7644109
CIE Lab	65.21, -4.70, -26.40
CIE LCh	65, 26.814, 259.903
Yxy	34.3152, 0.2440, 0.2673
Android (android.graphics.Color)	4285834189 (0xFF74A3CD)
YUV	153.7350, 25.2736, -33.0936
Hunter-Lab	58.5792, -7.0793, -22.4862

Details

The XYZ color **31.3191, 34.3152, 62.7304** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.5569, 38.6947, 21.8554**, and the grayscale version is **30.5059, 32.0946, 34.9510**.

A 20% lighter version of the original color is **59.9160, 66.0207, 104.1931**, and **13.1948, 14.5953, 31.3999** is the 20% darker color. If you saturate the color by 10%, you get **27.2365, 29.7580, 62.0666**, and if you desaturate by 10%, it is **36.1366, 39.4478, 63.4678**.

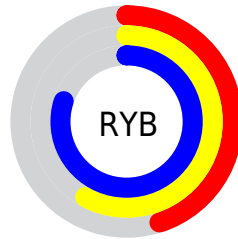
Distribution



Red (45%)

Green (64%)

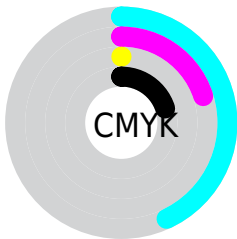
Blue (80%)



Red (45%)

Yellow (58%)

Blue (80%)

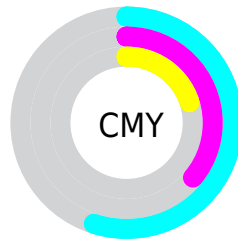


Cyan (43%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (55%)

Magenta (36%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3191, 34.3152, 62.7304 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 31.3191, 34.3152, 62.7304 by changing the saturation by 10% instead.

■ 31.3191, 34.3152,
62.7304

■ 31.3191, 34.3152,
62.7304

299.8064,
321.5352, 452.6714

■ 20.9950, 23.1358,
45.1835

■ 61.1145, 66.4235,
110.3623

■ 13.2328, 14.6938,
31.2580

■ 81.3166, 88.1213,
141.2844

■ 7.6671, 8.6048,
20.5353

■ 105.5419,
114.0940, 177.5020

■ 3.9327, 4.4843,
12.5968

134.1560,
144.7260, 219.4336

■ 1.6641, 1.9480,
7.0241

167.5241,
180.4018, 267.4979

■ 0.4337, 0.5770,
3.3985

206.0117,

■ 0.0000, 0.0000,

221.5056, 322.1132

1.3015

249.9840,
268.4220, 383.6982

■ 0.0000, 0.0000,
0.0630

■ 0.0000, 0.0000,
0.0000

■ 31.3191, 34.3152,
62.7304

■ 31.3191, 34.3152,
62.7304

■ 27.2365, 29.7580,
62.0666

■ 36.1366, 39.4478,
63.4678

■ 23.8425, 25.7459,
61.4710

■ 41.7249, 45.1762,
64.2790

■ 21.0905, 22.2509,
60.9415

■ 48.1212, 51.5245,
65.1672

■ 18.9255, 19.2402,
60.4745

■ 55.3594, 58.5142,
66.1348

■ 17.2820, 16.6751,
60.0660

■ 63.4712, 66.1653,
67.1841

■ 16.4096, 15.1879,
59.8249

■ 72.4866, 74.4972,
68.3172

■ 80.7576, 82.6638,
69.4576

■ 83.5362, 88.2211,
70.3838

■ 86.4668, 94.0823,
71.3606

Harmonies

Analogous

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



28.0224, 34.3152, 56.3057



31.3191, 34.3152, 62.7304



35.2341, 34.3152, 61.3986

Triad

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



31.3191, 34.3152, 62.7304



40.1826, 34.3152, 30.5223



27.2117, 34.3152, 25.1732

Complementary

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



31.3191, 34.3152, 62.7304



40.5569, 38.6947, 21.8554

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.



30.1301, 34.3152, 20.5965



31.3191, 34.3152, 62.7304



37.6851, 34.3152, 23.2316

Square

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



31.3191, 34.3152, 62.7304



40.5649, 34.3152, 41.2545



33.9473, 34.3152, 19.9647



25.7792, 34.3152, 33.7251

Rectangle

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



31.3191, 34.3152, 62.7304



37.6636, 34.3152, 56.3674



33.9473, 34.3152, 19.9647



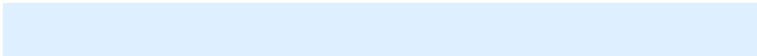
28.0401, 34.3152, 23.1974

Sweetspot

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



31.3202, 34.3165, 62.7312



79.0992, 84.6678, 106.7813



35.1662, 49.8290, 39.9032



16.4024, 17.6044, 22.7834



0.0000, 0.0000, 0.0000



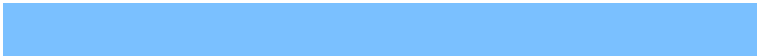
20.3446, 21.4041, 23.3091

Same Dimension

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



31.3202, 34.3165, 62.7312



45.0760, 49.2733, 101.7427



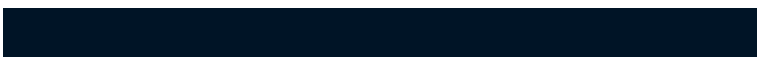
24.8158, 21.3077, 60.5631



11.0839, 11.8082, 14.2654



10.3114, 9.6469, 37.2748



0.6076, 0.6489, 1.9482

Inverse Universe

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



38.0341, 28.1154, 38.0739



57.8104, 39.1022, 54.6173



49.4583, 56.4975, 24.8225



11.4557, 11.3110, 12.9344



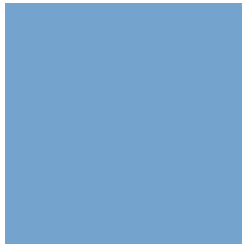
17.4156, 8.7768, 9.9074



0.9366, 0.4681, 0.7122

Previews

White Background



This preview shows how the XYZ color 31.3191, 34.3152, 62.7304 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 31.3191, 34.3152, 62.7304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

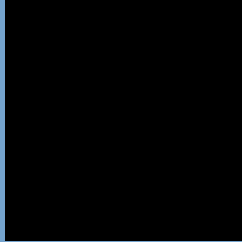
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3191, 34.3152, 62.7304

Background



This preview shows how black text looks on a background with the XYZ color 31.3191, 34.3152, 62.7304.

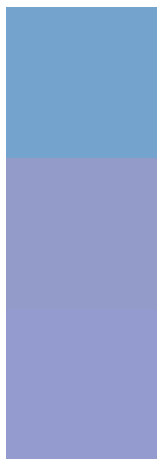


This preview shows how white text looks on a background with the XYZ color 31.3191, 34.3152,

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

31.3191, 34.3152, 62.7304

Protanopia

34.3464, 34.1501, 59.4250

Deuteranopia

35.0165, 34.1507, 63.7777



Tritanopia

28.4659, 34.2248, 48.8218

Trichromacy



Original Color

31.3191, 34.3152, 62.7304

Protanomaly

33.2121, 34.2948, 60.7462

Deuteranomaly

33.5208, 34.1442, 63.2163

Tritanomaly

29.6126, 34.4349, 53.8010

Monochromacy



Original Color

31.3191, 34.3152, 62.7304

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.4150, 32.7065, 44.2451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3191, 34.3152, 62.7304 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(116, 163, 205)` looks like.

```
.text, #text, p{  
    color:rgb(116, 163, 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(116, 163, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 163, 205) }
```

Border

The CSS property to change the border of an element to XYZ 31.3191, 34.3152, 62.7304 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(116, 163, 205) }
```


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

```
.border{ border-color:rgb(116, 163, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 163, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 163, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 163, 205);  
box-shadow:4px 4px 4px 4px rgb(116, 163,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3191, 34.3152, 62.7304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 163, 205) }
```

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

```
.background{ background-color: rgb(116,  
163, 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](#).

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