

Converting Colors

XYZ(30.7742, 36.0832, 62.2247)

Have a look what the booklet for
XYZ(30.7742, 36.0832, 62.2247)
contains.

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Color

**XYZ(30.7533, 35.9339,
62.4418)**

Conversions

Conversions Part 1

Format	Color
Hex	66AACC
RGB	102, 170, 204
RGB Percent	40%, 67%, 80%
CMY	0.6000, 0.3333, 0.2000
CMYK	0.50, 0.17, 0.00, 0.20
HSL	200°, 50%, 60%
HSV	200°, 50%, 80%
XYZ	30.7533, 35.9339, 62.4418
YIQ	153.5440, -51.4420, -3.8420

Conversions

Conversions Part 2

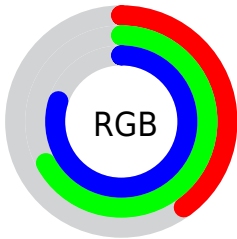
Format	Color
RYB	102, 143, 204
Decimal	6728396
CIELab	66.47, -12.21, -23.97
CIElCh	66, 26.906, 243.005
Yxy	35.9339, 0.2382, 0.2783
Android (android.graphics.Color)	4284918476 (0xFF66AACC)
YUV	153.5440, 24.8748, -45.2041
Hunter-Lab	59.9449, -13.3284, -19.7982

Details

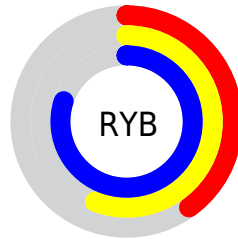
The XYZ color **30.7533, 35.9339, 62.4418** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **36.1052, 31.4060, 16.7306**, and the grayscale version is **30.4274, 32.0120, 34.8610**.

A 20% lighter version of the original color is **59.0758, 68.3395, 104.6850**, and **12.9383, 15.6511, 31.1932** is the 20% darker color. If you saturate the color by 10%, you get **27.4778, 32.4024, 61.9334**, and if you desaturate by 10%, it is **34.6659, 39.8933, 63.0005**.

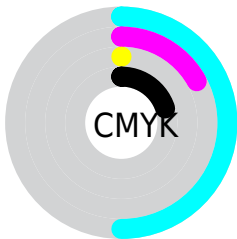
Distribution



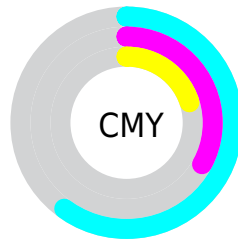
- Red (40%)
- Green (67%)
- Blue (80%)



- Red (40%)
- Yellow (56%)
- Blue (80%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7533, 35.9339, 62.4418 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 30.7533, 35.9339, 62.4418 by changing the saturation by 10% instead.

■ 30.7533, 35.9339,
62.4418

■ 30.7533, 35.9339,
62.4418

297.2474,
328.6715, 451.5929

■ 20.5620, 24.3832,
44.9517

■ 60.2299, 68.9300,
109.9416

■ 12.9148, 15.6181,
31.0767

■ 80.2460, 91.1442,
140.7883

■ 7.4465, 9.2543,
20.3983

■ 104.2676,
117.6816, 176.9244

■ 3.7917, 4.9074,
12.4980

■ 132.6602,
148.9267, 218.7682

■ 1.5850, 2.1930,
6.9571

165.7891,
185.2639, 266.7385

■ 0.3826, 0.7162,
3.3573

204.0197,

■ 0.0000, 0.0000,

227.0774, 321.2537

1.2798

247.7174,
274.7519, 382.7323

■ 0.0000, 0.0000,
0.0452

■ 0.0000, 0.0000,
0.0000

■ 30.7533, 35.9339,
62.4418

■ 30.7533, 35.9339,
62.4418

■ 27.4778, 32.4024,
61.9334

■ 34.6659, 39.8933,
63.0005

■ 24.7925, 29.2707,
61.4705

■ 39.2512, 44.2980,
63.6090

■ 22.6490, 26.5133,
61.0513

■ 44.5462, 49.1694,
64.2702

■ 20.9889, 24.0986,
60.6727

■ 50.5841, 54.5258,
64.9859

■ 19.7039, 21.9690,
60.3293

■ 57.3959, 60.3846,
65.7577

■ 19.7036, 21.9686,
60.3293

■ 65.0106, 66.7621,
66.5874

■ 73.4558, 73.6739,
67.4763

■ 78.9031, 79.1474,
68.2457

■ 80.7717, 82.8846,
68.8686

Harmonies

Analogous

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



28.0542, 35.9339, 52.5146



30.7533, 35.9339, 62.4418



34.5623, 35.9339, 65.7622

Triad

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



30.7533, 35.9339, 62.4418



42.4992, 35.9339, 37.9731



30.1013, 35.9339, 23.2985

Complementary

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



30.7533, 35.9339, 62.4418



36.1052, 31.4060, 16.7306

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.



33.7492, 35.9339, 20.8726



30.7533, 35.9339, 62.4418



41.0797, 35.9339, 28.2314

Square

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



30.7533, 35.9339, 62.4418



41.5412, 35.9339, 50.0987



37.7968, 35.9339, 22.4841



27.6991, 35.9339, 29.8851

Rectangle

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



30.7533, 35.9339, 62.4418



37.2756, 35.9339, 63.3387



37.7968, 35.9339, 22.4841



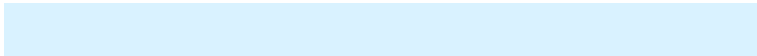
31.2119, 35.9339, 22.0354

Sweetspot

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



30.7545, 35.9352, 62.4427



78.4177, 85.5868, 106.9946



31.3974, 47.7410, 30.2255



16.3349, 17.9184, 22.8476



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.



30.7545, 35.9352, 62.4427



45.1226, 53.2310, 102.5041



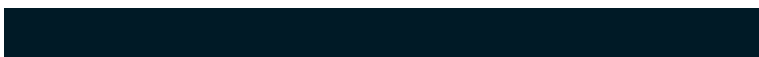
23.1806, 20.7876, 59.9181



11.2160, 12.0724, 14.3094



12.4902, 14.0043, 38.0011



0.7123, 0.8584, 1.9831

Inverse Universe

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



36.9099, 25.2435, 40.9587



56.8906, 35.1224, 60.9082



44.7128, 48.6212, 19.5998



11.5224, 11.3377, 13.2855



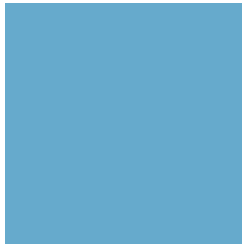
18.5154, 9.2167, 15.6984



0.9895, 0.4892, 0.9905

Previews

White Background



This preview shows how the XYZ color 30.7533, 35.9339, 62.4418 looks on a white background.

Color Contrast Check

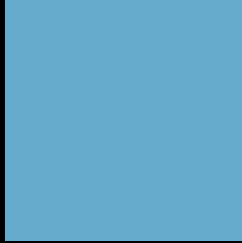
Large Text (above 18pt) WCAG AA × Fail

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 30.7533, 35.9339, 62.4418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

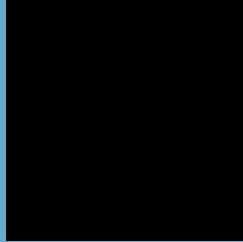
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7533, 35.9339, 62.4418

Background



This preview shows how black text looks on a background with the XYZ color 30.7533, 35.9339, 62.4418.



This preview shows how white text looks on a background with the XYZ color 30.7533, 35.9339,

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

30.7533, 35.9339, 62.4418

Protanopia

35.3108, 35.4572, 57.2074

Deuteranopia

36.4382, 35.6341, 63.9891



Tritanopia

28.7371, 35.9618, 52.4404

Trichromacy



Original Color

30.7533, 35.9339, 62.4418

Protanomaly

33.2375, 35.3862, 59.1113

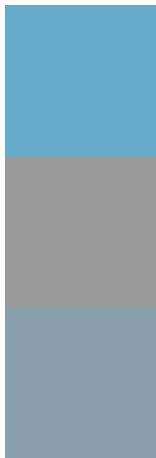
Deuteranomaly

33.8924, 35.3652, 63.4324

Tritanomaly

29.4152, 35.9520, 55.8412

Monochromacy



Original Color

30.7533, 35.9339, 62.4418

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.0089, 33.2711, 43.8700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7533, 35.9339, 62.4418 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(102, 170, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 204)  
}
```

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(102, 170, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 204) }
```

Border

The CSS property to change the border of an element to XYZ 30.7533, 35.9339, 62.4418 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(102, 170, 204) }
```


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

```
.border{ border-color:rgb(102, 170, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 170, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7533, 35.9339, 62.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 204) }
```

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

```
.background{ background-color: rgb(102,  
170, 204) }
```

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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