

Converting Colors

XYZ(31.7259, 34.1246, 62.8542)

Have a look what the booklet for
XYZ(31.7259, 34.1246, 62.8542)
contains.

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Color

**XYZ(31.6495, 33.9625,
62.6449)**

Conversions

Conversions Part 1

Format	Color
Hex	79A1CD
RGB	121, 161, 205
RGB Percent	47%, 63%, 80%
CMY	0.5255, 0.3686, 0.1961
CMYK	0.41, 0.21, 0.00, 0.20
HSL	211°, 46%, 64%
HSV	211°, 41%, 80%
XYZ	31.6495, 33.9625, 62.6449
YIQ	154.0560, -37.9640, 5.2040

Conversions

Conversions Part 2

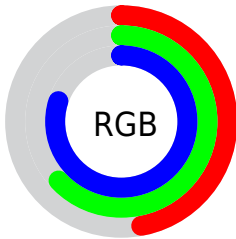
Format	Color
RYB	121, 148, 205
Decimal	7971277
CIELab	64.93, -2.29, -26.80
CIELCh	65, 26.901, 265.122
Yxy	33.9625, 0.2468, 0.2648
Android (android.graphics.Color)	4286161357 (0xFF79A1CD)
YUV	154.0560, 25.1154, -28.9901
Hunter-Lab	58.2774, -5.0449, -22.9393

Details

The XYZ color **31.6495, 33.9625, 62.6449** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.0840, 41.2708, 23.8384**, and the grayscale version is **30.6459, 32.2419, 35.1114**.

A 20% lighter version of the original color is **60.5104, 65.5618, 104.0732**, and **13.4766, 14.5795, 31.3820** is the 20% darker color. If you saturate the color by 10%, you get **27.2796, 29.0433, 61.9263**, and if you desaturate by 10%, it is **36.7932, 39.5213, 63.4474**.

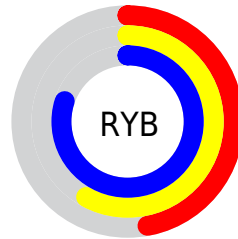
Distribution



Red (47%)

Green (63%)

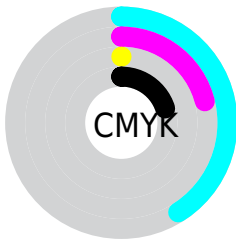
Blue (80%)



Red (47%)

Yellow (58%)

Blue (80%)

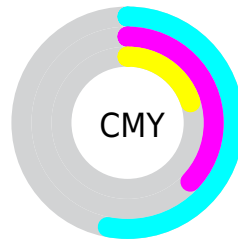


Cyan (41%)

Magenta (21%)

Yellow (0%)

Black (20%)



Cyan (53%)

Magenta (37%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6495, 33.9625, 62.6449 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 31.6495, 33.9625, 62.6449 by changing the saturation by 10% instead.

■ 31.6495, 33.9625,
62.6449

■ 31.6495, 33.9625,
62.6449

301.2932,
319.9648, 452.3520

■ 21.2482, 22.8648,
45.1148

■ 61.6301, 65.8753,
110.2377

■ 13.4190, 14.4937,
31.2043

■ 81.9401, 87.4593,
141.1375

■ 7.7967, 8.4648,
20.4947

■ 106.2837,
113.3074, 177.3309

■ 4.0158, 4.3938,
12.5675

135.0263,
143.8041, 219.2366

■ 1.7111, 1.8962,
7.0042

168.5332,
179.3338, 267.2730

■ 0.4632, 0.5461,
3.3862

207.1697,

■ 0.0000, 0.0000,

220.2809, 321.8587

1.2951

251.3013,
267.0298, 383.4122

■ 0.0000, 0.0000,
0.0577

■ 0.0000, 0.0000,
0.0000

■ 31.6495, 33.9625,
62.6449

■ 31.6495, 33.9625,
62.6449

■ 27.2796, 29.0433,
61.9263

■ 36.7932, 39.5213,
63.4474

■ 23.6372, 24.7316,
61.2861

■ 42.7469, 45.7420,
64.3343

■ 20.6756, 20.9980,
60.7215

■ 49.5482, 52.6503,
65.3093

■ 18.3408, 17.8080,
60.2288

■ 57.2315, 60.2693,
66.3749

■ 16.5689, 15.1220,
59.8038

■ 65.8290, 68.6207,
67.5338

■ 15.3518, 13.0723,
59.4723

■ 75.3712, 77.7255,
68.7882

■ 82.3037, 85.7562,
69.9729

■ 85.4920, 92.1326,
71.0357

■ 88.0196, 97.1878,
71.8782

Harmonies

Analogous

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



28.1955, 33.9625, 57.4464



31.6495, 33.9625, 62.6449



35.5558, 33.9625, 59.9204

Triad

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



31.6495, 33.9625, 62.6449



39.5249, 33.9625, 28.6222



26.5333, 33.9625, 26.0482

Complementary

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



31.6495, 33.9625, 62.6449



42.0840, 41.2708, 23.8384

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.



29.2125, 33.9625, 20.7985



31.6495, 33.9625, 62.6449



36.7417, 33.9625, 22.0624

Square

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



31.6495, 33.9625, 62.6449



40.3075, 33.9625, 38.8279



32.9195, 33.9625, 19.5007



25.3966, 33.9625, 35.1905

Rectangle

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



31.6495, 33.9625, 62.6449



37.8666, 33.9625, 54.2162



32.9195, 33.9625, 19.5007



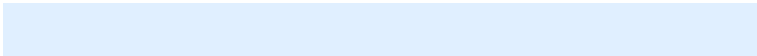
27.2724, 33.9625, 23.8482

Sweetspot

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



31.6506, 33.9638, 62.6457



79.7728, 84.8476, 106.7805



36.4545, 50.4232, 43.1241



16.7465, 17.8302, 22.8089



0.0000, 0.0000, 0.0000



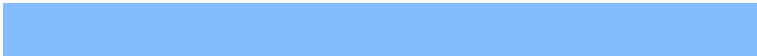
20.3446, 21.4041, 23.3091

Same Dimension

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



31.6506, 33.9638, 62.6457



45.5799, 48.6023, 101.5866



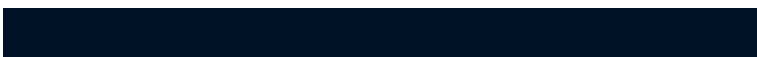
25.9407, 22.2506, 60.6858



11.0350, 11.7105, 14.2491



9.6509, 8.3258, 37.0547



0.5737, 0.5812, 1.9369

Inverse Universe

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



38.4482, 29.2283, 37.3347



58.4745, 40.9367, 53.2777



50.0756, 57.8247, 26.6124



11.4310, 11.3012, 12.8045



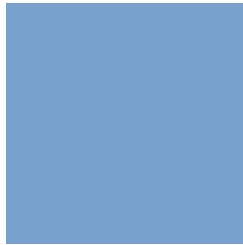
17.0822, 8.6435, 8.1517



0.9195, 0.4612, 0.6221

Previews

White Background



This preview shows how the XYZ color 31.6495, 33.9625, 62.6449 looks on a white background.

Color Contrast Check

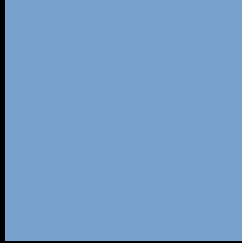
Large Text (above 18pt) WCAG AA × Fail

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 31.6495, 33.9625, 62.6449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

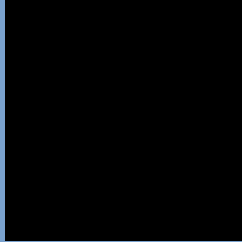
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6495, 33.9625, 62.6449

Background



This preview shows how black text looks on a background with the XYZ color 31.6495, 33.9625, 62.6449.

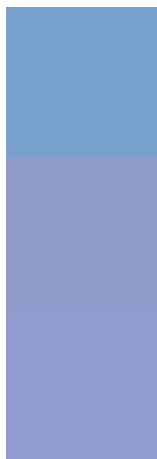


This preview shows how white text looks on a background with the XYZ color 31.6495, 33.9625,

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

31.6495, 33.9625, 62.6449

Protanopia

33.9410, 33.6795, 59.9702

Deuteranopia

34.7160, 34.0099, 63.1274



Tritanopia

28.7123, 34.1045, 47.7174

Trichromacy



Original Color

31.6495, 33.9625, 62.6449

Protanomaly

32.8710, 33.6124, 60.6325

Deuteranomaly

33.5141, 33.8885, 63.1673

Tritanomaly

29.6887, 33.9637, 52.5678

Monochromacy



Original Color

31.6495, 33.9625, 62.6449

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.7551, 32.8819, 44.2610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6495, 33.9625, 62.6449 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(121, 161, 205)` looks like.

```
.text, #text, p{  
    color:rgb(121, 161, 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(121, 161, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 161, 205) }
```

Border

The CSS property to change the border of an element to XYZ 31.6495, 33.9625, 62.6449 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(121, 161, 205) }
```


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

```
.border{ border-color:rgb(121, 161, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 161, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 161, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 161, 205);  
box-shadow:4px 4px 4px 4px rgb(121, 161,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6495, 33.9625, 62.6449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 161, 205) }
```

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

```
.background{ background-color: rgb(121,  
161, 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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