

Converting Colors

XYZ(29.6226, 33.6577, 62.4401)

Have a look what the booklet for
XYZ(29.6226, 33.6577, 62.4401)
contains.

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Color

**XYZ(29.6617, 33.7254,
62.7039)**

Conversions

Conversions Part 1

Format	Color
Hex	65A4CD
RGB	101, 164, 205
RGB Percent	40%, 64%, 80%
CMY	0.6039, 0.3569, 0.1961
CMYK	0.51, 0.20, 0.00, 0.20
HSL	204°, 51%, 60%
HSV	204°, 51%, 80%
XYZ	29.6617, 33.7254, 62.7039
YIQ	149.8370, -50.7090, -0.6050

Conversions

Conversions Part 2

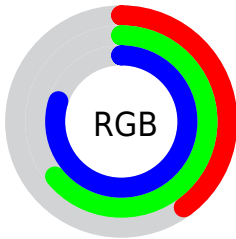
Format	Color
R _{YB}	101, 140, 205
Decimal	6661325
CIE _{Lab}	64.74, -8.89, -27.18
CIE _{LCh}	65, 28.597, 251.896
Yxy	33.7254, 0.2352, 0.2675
Android (android.graphics.Color)	4284851405 (0xFF65A4CD)
YUV	149.8370, 27.1954, -42.8300
Hunter-Lab	58.0736, -10.4580, -23.3658

Details

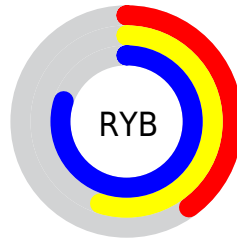
The XYZ color **29.6617, 33.7254, 62.7039** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.1997, 33.2658, 16.7734**, and the grayscale version is **28.8252, 30.3263, 33.0254**.

A 20% lighter version of the original color is **57.2861, 65.0511, 104.1446**, and **12.2945, 14.2941, 31.3892** is the 20% darker color. If you saturate the color by 10%, you get **26.2458, 29.8857, 62.1434**, and if you desaturate by 10%, it is **33.7442, 38.0465, 63.3234**.

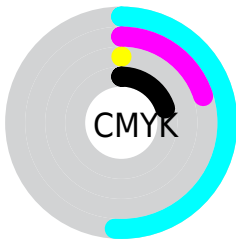
Distribution



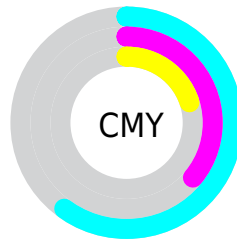
- Red (40%)
- Green (64%)
- Blue (80%)



- Red (40%)
- Yellow (55%)
- Blue (80%)



- Cyan (51%)
- Magenta (20%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6617, 33.7254, 62.7039 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 29.6617, 33.7254, 62.7039 by changing the saturation by 10% instead.

■ 29.6617, 33.7254,
62.7039

■ 29.6617, 33.7254,
62.7039

292.2626,
318.9059, 452.5724

■ 19.7287, 22.6827,
45.1622

■ 58.5171, 65.5064,
110.3237

■ 12.3051, 14.3594,
31.2414

■ 78.1702, 87.0135,
141.2389

■ 7.0255, 8.3711,
20.5227

■ 101.7941,
112.7776, 177.4490

■ 3.5245, 4.3333,
12.5877

■ 129.7541,
143.1830, 219.3726

■ 1.4368, 1.8617,
7.0179

162.4156,
178.6142, 267.4282

■ 0.2822, 0.5252,
3.3947

200.1440,

■ 0.0000, 0.0000,

219.4554, 322.0343

1.2995

243.3045,
266.0912, 383.6095

■ 0.0000, 0.0000,
0.0614

■ 0.0000, 0.0000,
0.0000

■ 29.6617, 33.7254,
62.7039

■ 29.6617, 33.7254,
62.7039

■ 26.2458, 29.8857,
62.1434

■ 33.7442, 38.0465,
63.3234

■ 23.4480, 26.4980,
61.6370

■ 38.5305, 42.8686,
64.0019

■ 21.2182, 23.5345,
61.1825

■ 44.0588, 48.2146,
64.7424

■ 19.4956, 20.9611,
60.7766

■ 50.3635, 54.1044,
65.5470

■ 18.2503, 18.8693,
60.4385

■ 57.4766, 60.5568,
66.4175

■ 65.4285, 67.5897,
67.3559

■ 74.2476, 75.2199,
68.3638

■ 80.1839, 81.5164,
69.2663

■ 82.4679, 86.0846,
70.0277

Harmonies

Analogous

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



26.5257, 33.7254, 54.0007



29.6617, 33.7254, 62.7039



33.7115, 33.7254, 63.6145

Triad

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



29.6617, 33.7254, 62.7039



40.4254, 33.7254, 32.2512



27.0626, 33.7254, 22.3208

Complementary

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



29.6617, 33.7254, 62.7039



37.1997, 33.2658, 16.7734

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.



30.4536, 33.7254, 18.7302



29.6617, 33.7254, 62.7039



38.3038, 33.7254, 23.5877

Square

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



29.6617, 33.7254, 62.7039



40.1673, 33.7254, 44.2119



34.5737, 33.7254, 19.1381



25.1158, 33.7254, 30.1284

Rectangle

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



29.6617, 33.7254, 62.7039



36.4139, 33.7254, 59.4799



34.5737, 33.7254, 19.1381



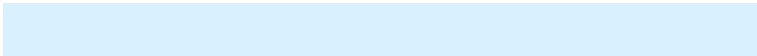
28.0586, 33.7254, 20.6642

Sweetspot

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



29.6628, 33.7267, 62.7047



77.7278, 84.2070, 106.7646



31.9969, 48.3493, 32.7945



16.1683, 17.5852, 22.7921



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.



29.6628, 33.7267, 62.7047



42.4651, 48.3384, 101.6998



22.3074, 19.0157, 60.2529



11.1577, 11.9557, 14.2900



11.4563, 11.9366, 37.6564



0.6637, 0.7612, 1.9669

Inverse Universe

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



36.5323, 24.9679, 38.0170



55.4460, 34.1498, 54.5187



46.5671, 52.0005, 19.8958



11.4929, 11.3259, 13.1304



17.9935, 9.0080, 12.9504



0.9650, 0.4794, 0.8613

Previews

White Background



This preview shows how the XYZ color 29.6617, 33.7254, 62.7039 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 29.6617, 33.7254, 62.7039 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 29.6617, 33.7254, 62.7039

Background



This preview shows how black text looks on a background with the XYZ color 29.6617, 33.7254, 62.7039.

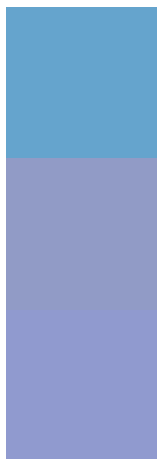


This preview shows how white text looks on a background with the XYZ color 29.6617, 33.7254,

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

29.6617, 33.7254, 62.7039

Protanopia

33.5914, 33.5396, 58.1294

Deuteranopia

34.3197, 33.5455, 63.6976



Tritanopia

26.9603, 33.7098, 49.3417

Trichromacy



Original Color

29.6617, 33.7254, 62.7039

Protanomaly

31.8227, 33.3379, 60.0160

Deuteranomaly

32.2695, 33.4991, 63.1577

Tritanomaly

27.9369, 33.8419, 53.7749

Monochromacy



Original Color

29.6617, 33.7254, 62.7039

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.4928, 31.2505, 42.5604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6617, 33.7254, 62.7039 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(101, 164, 205)` looks like.

```
.text, #text, p{  
    color:rgb(101, 164, 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(101, 164, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 164, 205) }
```

Border

The CSS property to change the border of an element to XYZ 29.6617, 33.7254, 62.7039 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(101, 164, 205) }
```


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

```
.border{ border-color:rgb(101, 164, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 164, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 164, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 164, 205);  
box-shadow:4px 4px 4px 4px rgb(101, 164,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6617, 33.7254, 62.7039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 164, 205) }
```

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

```
.background{ background-color: rgb(101,  
164, 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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