

Converting Colors

XYZ(29.7333, 33.6921, 65.9095)

Have a look what the booklet for
XYZ(29.7333, 33.6921, 65.9095)
contains.

XYZ(29.7322, 33.6909, 65.9087)	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(29.7322, 33.6909,
65.9087)**

Conversions

Conversions Part 1

Format	Color
Hex	60A4D2
RGB	96, 164, 210
RGB Percent	38%, 64%, 82%
CMY	0.6235, 0.3569, 0.1765
CMYK	0.54, 0.22, 0.00, 0.18
HSL	204°, 56%, 60%
HSV	204°, 54%, 82%
XYZ	29.7322, 33.6909, 65.9087
YIQ	148.9120, -55.2940, -0.1100

Conversions

Conversions Part 2

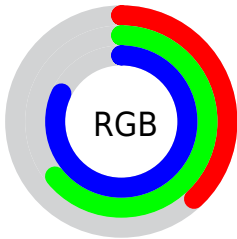
Format	Color
R_{YB}	96, 139, 210
Decimal	6333650
CIE _{Lab}	64.72, -8.50, -30.02
CIE _{LCh}	65, 31.197, 254.190
Yxy	33.6909, 0.2299, 0.2605
Android (android.graphics.Color)	4284523730 (0xFF60A4D2)
YUV	148.9120, 30.1164, -46.4038
Hunter-Lab	58.0439, -10.1425, -26.6930

Details

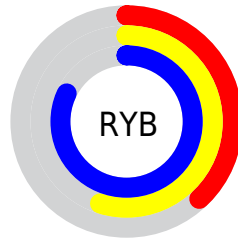
The XYZ color **29.7322, 33.6909, 65.9087** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.3637, 33.8935, 15.5877**, and the grayscale version is **28.4253, 29.9056, 32.5672**.

A 20% lighter version of the original color is **56.5184, 64.6553, 104.1086**, and **12.2756, 14.2462, 33.1131** is the 20% darker color. If you saturate the color by 10%, you get **26.3446, 29.7684, 65.3308**, and if you desaturate by 10%, it is **33.8132, 38.1222, 66.5496**.

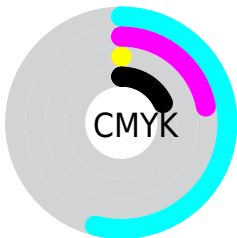
Distribution



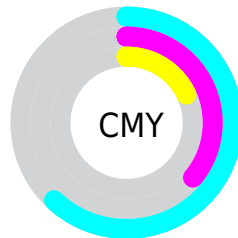
- Red (38%)
- Green (64%)
- Blue (82%)



- Red (38%)
- Yellow (55%)
- Blue (82%)



- Cyan (54%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)



- Cyan (62%)
- Magenta (36%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7322, 33.6909, 65.9087 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 29.7322, 33.6909, 65.9087 by changing the saturation by 10% instead.

■ 29.7322, 33.6909,
65.9087

■ 29.7322, 33.6909,
65.9087

292.5865,
318.7516, 464.4456

■ 19.7825, 22.6562,
47.7423

■ 58.6280, 65.4527,
114.9810

■ 12.3444, 14.3399,
33.2643

■ 78.3047, 86.9486,
146.7240

■ 7.0525, 8.3574,
22.0562

■ 101.9545,
112.7005, 183.8296

■ 3.5416, 4.3245,
13.6995

■ 129.9426,
143.0926, 226.7164

■ 1.4462, 1.8567,
7.7756

162.6346,
178.5093, 275.8028

■ 0.2888, 0.5221,
3.8660

200.3956,

■ 0.0000, 0.0000,

219.3351, 331.5074

1.5521

243.5911,
265.9544, 394.2489

■ 0.0000, 0.0000,
0.2563

■ 0.0000, 0.0000,
0.0000

■ 29.7322, 33.6909,
65.9087

■ 29.7322, 33.6909,
65.9087

■ 26.3446, 29.7684,
65.3308

■ 33.8132, 38.1222,
66.5496

■ 23.5969, 26.3222,
64.8104

■ 38.6289, 43.0844,
67.2536

■ 21.4325, 23.3208,
64.3452

■ 44.2211, 48.6025,
68.0239

■ 19.7816, 20.7253,
63.9312

■ 50.6274, 54.6986,
68.8629

■ 19.0000, 19.3872,
63.7141

■ 57.8828, 61.3931,
69.7727

■ 66.0200, 68.7058,
70.7553

■ 75.0702, 76.6549,
71.8126

■ 81.6712, 83.5097,
72.7878

■ 84.1115, 88.3903,
73.6013

Harmonies

Analogous

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



26.2342, 33.6909, 56.7069



29.7322, 33.6909, 65.9087



34.1807, 33.6909, 66.1757

Triad

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



29.7322, 33.6909, 65.9087



41.1205, 33.6909, 30.9621



26.3852, 33.6909, 21.6854

Complementary

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



29.7322, 33.6909, 65.9087



38.3637, 33.8935, 15.5877

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.



29.9566, 33.6909, 17.5876



29.7322, 33.6909, 65.9087



38.6044, 33.6909, 22.0345

Square

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



29.7322, 33.6909, 65.9087



41.0461, 33.6909, 43.8237



34.4268, 33.6909, 17.6984



24.4284, 33.6909, 30.3646

Rectangle

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



29.7322, 33.6909, 65.9087



37.1109, 33.6909, 61.1082



34.4268, 33.6909, 17.6984



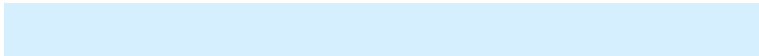
27.4213, 33.6909, 19.8271

Sweetspot

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



29.7333, 33.6921, 65.9095



76.5710, 83.0084, 106.5942



32.7240, 50.5219, 33.4624



15.9347, 17.3374, 22.7566



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.



29.7333, 33.6921, 65.9095



40.2023, 45.3732, 101.2468



21.7574, 17.7403, 63.2509



11.7416, 12.5734, 15.0517



11.6905, 12.0275, 38.8979



0.7304, 0.8259, 2.2005

Inverse Universe

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



37.4631, 24.7489, 37.9257



53.9231, 32.0824, 50.9943



49.0220, 55.2101, 19.1405



12.1005, 11.9249, 13.8048



18.5315, 9.2855, 12.9712



1.0749, 0.5347, 0.9292

Previews

White Background



This preview shows how the XYZ color 29.7322, 33.6909, 65.9087 looks on a white background.

Color Contrast Check

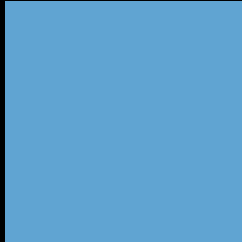
Large Text (above 18pt) WCAG AA × Fail

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 29.7322, 33.6909, 65.9087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

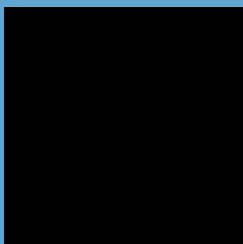
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

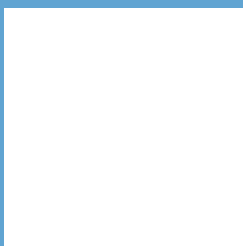
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7322, 33.6909, 65.9087

Background



This preview shows how black text looks on a background with the XYZ color 29.7322, 33.6909, 65.9087.

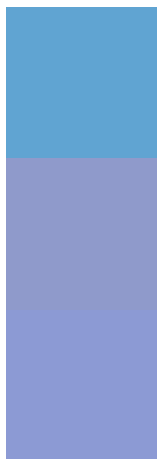


This preview shows how white text looks on a background with the XYZ color 29.7322, 33.6909,

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

29.7322, 33.6909, 65.9087

Protanopia

33.6628, 33.2626, 61.1460

Deuteranopia

34.2545, 33.4401, 66.9365



Tritanopia

26.5730, 33.7733, 49.9181

Trichromacy



Original Color

29.7322, 33.6909, 65.9087

Protanomaly

31.9716, 33.3456, 63.1438

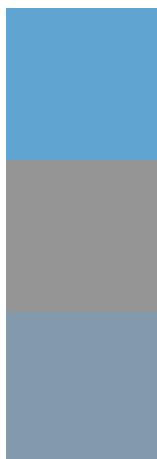
Deuteranomaly

32.2969, 33.4420, 66.3807

Tritanomaly

27.6608, 33.6613, 55.4915

Monochromacy



Original Color

29.7322, 33.6909, 65.9087

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.1122, 30.7973, 42.9909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7322, 33.6909, 65.9087 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, 164, 210)` looks like.

```
.text, #text, p{  
    color:rgb(96, 164, 210)  
}
```

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, 164, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 164, 210) }
```

Border

The CSS property to change the border of an element to XYZ 29.7322, 33.6909, 65.9087 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, 164, 210) }
```


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

```
.border{ border-color:rgb(96, 164, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 164, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 164, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 164, 210);  
box-shadow:4px 4px 4px 4px rgb(96, 164,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7322, 33.6909, 65.9087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 164, 210) }
```

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

```
.background{ background-color: rgb(96, 164,  
210) }
```

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