

Converting Colors

XYZ(33.3300, 35.8872, 75.0265)

Have a look what the booklet for
XYZ(33.3300, 35.8872, 75.0265)
contains.

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Color

**XYZ(33.2622, 35.8514,
74.9789)**

Conversions

Conversions Part 1

Format	Color
Hex	6DA6DF
RGB	109, 166, 223
RGB Percent	43%, 65%, 87%
CMY	0.5725, 0.3490, 0.1255
CMYK	0.51, 0.26, 0.00, 0.13
HSL	210°, 64%, 65%
HSV	210°, 51%, 87%
XYZ	33.2622, 35.8514, 74.9789
YIQ	155.4550, -52.2690, 5.6430

Conversions

Conversions Part 2

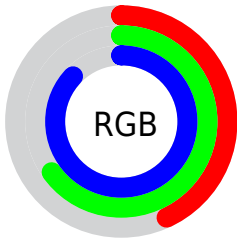
Format	Color
RYB	109, 147, 223
Decimal	7186143
CIELab	66.41, -2.85, -34.53
CIELCh	66, 34.651, 265.283
Yxy	35.8514, 0.2308, 0.2488
Android (android.graphics.Color)	4285376223 (0xFF6DA6DF)
YUV	155.4550, 33.2997, -40.7410
Hunter-Lab	59.8760, -5.6232, -32.3318

Details

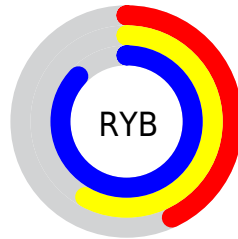
The XYZ color **33.2622, 35.8514, 74.9789** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.8292, 44.0661, 20.5070**, and the grayscale version is **31.2320, 32.8585, 35.7829**.

A 20% lighter version of the original color is **59.6323, 67.0399, 104.4048**, and **14.3518, 15.5147, 39.2840** is the 20% darker color. If you saturate the color by 10%, you get **28.9192, 30.7335, 74.2206**, and if you desaturate by 10%, it is **38.4792, 41.6822, 75.8301**.

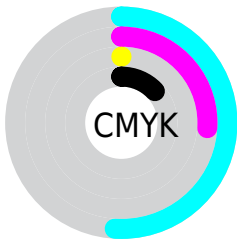
Distribution



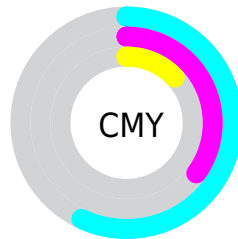
- Red (43%)
- Green (65%)
- Blue (87%)



- Red (43%)
- Yellow (58%)
- Blue (87%)



- Cyan (51%)
- Magenta (26%)
- Yellow (0%)
- Black (13%)



- Cyan (57%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2622, 35.8514, 74.9789 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 33.2622, 35.8514, 74.9789 by changing the saturation by 10% instead.

■ 33.2622, 35.8514,
74.9789

■ 33.2622, 35.8514,
74.9789

308.4737,
328.3106, 497.0985

■ 22.4876, 24.3195,
55.0940

■ 64.1366, 68.8026,
128.0293

■ 14.3342, 15.5708,
39.0779

■ 84.9671, 90.9907,
162.0319

■ 8.4367, 9.2209,
26.5120

■ 109.8803,
117.4996, 201.5774

■ 4.4298, 4.8856,
16.9779

139.2415,
148.7138, 247.0845

■ 1.9480, 2.1803,
10.0569

173.4161,
185.0176, 298.9716

■ 0.6045, 0.7092,
5.3306

212.7694,

■ 0.0000, 0.0000,

226.7954, 357.6572

2.3804

257.6668,
274.4316, 423.5601

■ 0.0000, 0.0000,
0.7758

■ 0.0000, 0.0000,
0.0000

■ 33.2622, 35.8514,
74.9789

■ 33.2622, 35.8514,
74.9789

■ 28.9192, 30.7335,
74.2206

■ 38.4792, 41.6822,
75.8301

■ 25.3884, 26.2878,
73.5486

■ 44.6189, 48.2552,
76.7752

■ 22.6049, 22.4749,
72.9594

■ 51.7304, 55.6025,
77.8186

■ 20.4903, 19.2471,
72.4478

■ 59.8582, 63.7531,
78.9634

■ 19.0585, 16.8059,
72.0521

■ 69.0438, 72.7341,
80.2128

■ 79.3262, 82.5712,
81.5696

■ 86.9262, 91.3214,
82.8580

■ 90.3194, 98.1078,
83.9890

Harmonies

Analogous

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



28.7058, 35.8514, 67.5330



33.2622, 35.8514, 74.9789



38.5148, 35.8514, 70.9744

Triad

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



33.2622, 35.8514, 74.9789



43.9117, 35.8514, 28.0644



26.5182, 35.8514, 24.9249

Complementary

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



33.2622, 35.8514, 74.9789



46.8292, 44.0661, 20.5070

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.



29.9915, 35.8514, 18.4876



33.2622, 35.8514, 74.9789



40.0766, 35.8514, 19.9516

Square

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



33.2622, 35.8514, 74.9789



45.0121, 35.8514, 41.4320



34.9023, 35.8514, 16.9300



25.0719, 35.8514, 36.7343

Rectangle

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



33.2622, 35.8514, 74.9789



41.6647, 35.8514, 62.7770



34.9023, 35.8514, 16.9300



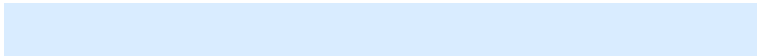
27.4691, 35.8514, 22.1918

Sweetspot

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



33.2634, 35.8527, 74.9798



76.5504, 81.8523, 106.3722



39.5785, 58.7807, 45.3377



15.8847, 17.0180, 22.6975



0.0000, 0.0000, 0.0000



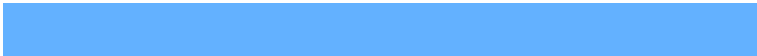
20.3446, 21.4041, 23.3091

Same Dimension

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



33.2634, 35.8527, 74.9798



39.0114, 41.4310, 100.5486



25.0960, 19.5178, 72.2573



13.5154, 14.3699, 17.4490



11.3191, 10.1078, 42.4028



0.8741, 0.8797, 2.9690

Inverse Universe

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



42.7841, 29.3798, 39.4936



53.7028, 33.4525, 45.3388



59.5802, 69.5682, 24.7573



13.9916, 13.8143, 15.7261



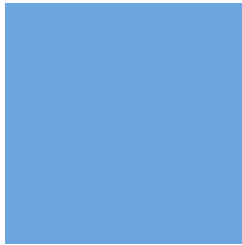
19.6536, 9.9284, 10.1074



1.4075, 0.7063, 0.9386

Previews

White Background



This preview shows how the XYZ color 33.2622, 35.8514, 74.9789 looks on a white background.

Color Contrast Check

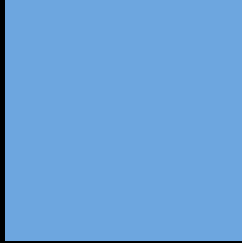
Large Text (above 18pt) WCAG AA × Fail

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 33.2622, 35.8514, 74.9789 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 33.2622, 35.8514, 74.9789

Background



This preview shows how black text looks on a background with the XYZ color 33.2622, 35.8514, 74.9789.

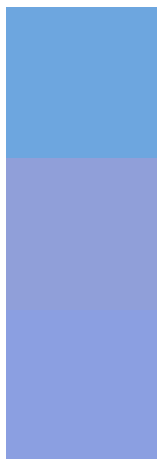


This preview shows how white text looks on a background with the XYZ color 33.2622, 35.8514,

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

33.2622, 35.8514, 74.9789

Protanopia

36.4241, 35.7353, 70.6235

Deuteranopia

36.6362, 35.7215, 76.1982



Tritanopia

28.8430, 36.0164, 52.4454

Trichromacy



Original Color

33.2622, 35.8514, 74.9789

Protanomaly

35.0666, 35.7804, 72.0759

Deuteranomaly

35.2770, 35.8117, 75.5741

Tritanomaly

30.1669, 35.6863, 59.9418

Monochromacy



Original Color

33.2622, 35.8514, 74.9789

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1176, 33.4948, 48.0051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2622, 35.8514, 74.9789 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(109, 166, 223)` looks like.

```
.text, #text, p{  
    color:rgb(109, 166, 223)  
}
```

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(109, 166, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 166, 223) }
```

Border

The CSS property to change the border of an element to XYZ 33.2622, 35.8514, 74.9789 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(109, 166, 223) }
```


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

```
.border{ border-color:rgb(109, 166, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 166, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 166, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 166, 223);  
box-shadow:4px 4px 4px 4px rgb(109, 166,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2622, 35.8514, 74.9789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 166, 223) }
```

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

```
.background{ background-color: rgb(109,  
166, 223) }
```

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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