

Converting Colors

XYZ(34.2776, 36.9376, 77.5171)

Have a look what the booklet for
XYZ(34.2776, 36.9376, 77.5171)
contains.

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Color

**XYZ(34.1605, 36.8112,
77.2563)**

Conversions

Conversions Part 1

Format	Color
Hex	6EA8E2
RGB	110, 168, 226
RGB Percent	43%, 66%, 89%
CMY	0.5686, 0.3412, 0.1137
CMYK	0.51, 0.26, 0.00, 0.11
HSL	210°, 67%, 66%
HSV	210°, 51%, 89%
XYZ	34.1605, 36.8112, 77.2563
YIQ	157.2700, -53.1860, 5.7420

Conversions

Conversions Part 2

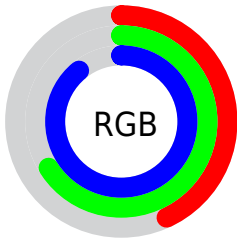
Format	Color
R_{YB}	110, 149, 226
Decimal	7252194
CIE _{Lab}	67.14, -2.85, -35.05
CIE _{LCh}	67, 35.162, 265.355
Yxy	36.8112, 0.2305, 0.2483
Android (android.graphics.Color)	4285442274 (0xFF6EA8E2)
YUV	157.2700, 33.8839, -41.4558
Hunter-Lab	60.6722, -5.6749, -33.0257

Details

The XYZ color **34.1605, 36.8112, 77.2563** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **48.1825, 45.3016, 20.9581**, and the grayscale version is **32.0398, 33.7084, 36.7085**.

A 20% lighter version of the original color is **60.3740, 68.2108, 104.5917**, and **14.7677, 16.0460, 40.3491** is the 20% darker color. If you saturate the color by 10%, you get **29.7027, 31.5501, 76.4765**, and if you desaturate by 10%, it is **39.5191, 42.8072, 78.1319**.

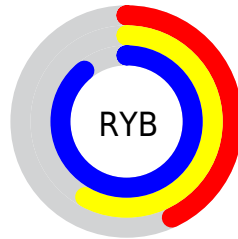
Distribution



Red (43%)

Green (66%)

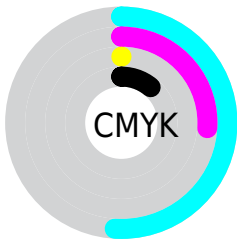
Blue (89%)



Red (43%)

Yellow (58%)

Blue (89%)

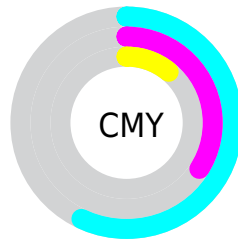


Cyan (51%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (57%)

Magenta (34%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1605, 36.8112, 77.2563 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 34.1605, 36.8112, 77.2563 by changing the saturation by 10% instead.

■ 34.1605, 36.8112,
77.2563

■ 34.1605, 36.8112,
77.2563

312.4205,
332.4924, 505.0983

■ 23.1804, 25.0613,
56.9504

■ 65.5258, 70.2823,
131.2775

■ 14.8482, 16.1228,
40.5564

■ 86.6417, 92.7724,
165.8300

■ 8.7985, 9.6111,
27.6555

■ 111.8670,
119.6113, 205.9684

■ 4.6661, 5.1419,
17.8294

141.5669,
151.1834, 252.1112

■ 2.0854, 2.3307,
10.6594

176.1069,
187.8732, 304.6771

■ 0.6813, 0.7899,
5.7270

215.8522,

■ 0.0000, 0.0000,

230.0650, 364.0846

2.6137

261.1683,
278.1433, 430.7521

■ 0.0000, 0.0000,
0.8995

■ 0.0000, 0.0000,
0.0000

■ 34.1605, 36.8112,
77.2563

■ 34.1605, 36.8112,
77.2563

■ 29.7027, 31.5501,
76.4765

■ 39.5191, 42.8072,
78.1319

■ 26.0816, 26.9821,
75.7856

■ 45.8290, 49.5686,
79.1044

■ 23.2300, 23.0659,
75.1800

■ 53.1410, 57.1287,
80.1783

■ 21.0665, 19.7524,
74.6544

■ 61.5010, 65.5172,
81.3568

■ 19.6326, 17.3010,
74.2569

■ 70.9521, 74.7623,
82.6432

■ 81.5346, 84.8907,
84.0404

■ 88.2602, 93.3362,
85.3161

■ 90.7276, 98.2710,
86.1385

Harmonies

Analogous

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



29.4533, 36.8112, 69.5755



34.1605, 36.8112, 77.2563



39.5865, 36.8112, 73.0829

Triad

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



34.1605, 36.8112, 77.2563



45.1452, 36.8112, 28.7300



27.1801, 36.8112, 25.5421

Complementary

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



34.1605, 36.8112, 77.2563



48.1825, 45.3016, 20.9581

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.



30.7601, 36.8112, 18.8977



34.1605, 36.8112, 77.2563



41.1759, 36.8112, 20.3819

Square

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



34.1605, 36.8112, 77.2563



46.2905, 36.8112, 42.5176



35.8286, 36.8112, 17.2834



25.6934, 36.8112, 37.7396

Rectangle

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



34.1605, 36.8112, 77.2563



42.8394, 36.8112, 64.5878



35.8286, 36.8112, 17.2834



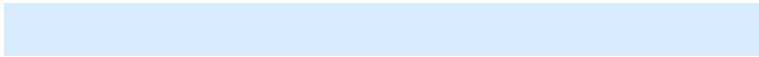
28.1597, 36.8112, 22.7209

Sweetspot

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



34.1618, 36.8125, 77.2572



76.5504, 81.8522, 106.3722



40.6959, 60.5359, 46.5871



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.



34.1618, 36.8125, 77.2572



38.4844, 40.7865, 100.4520



25.7352, 19.9595, 74.4483



13.5154, 14.3699, 17.4490



11.3191, 10.1077, 42.4028



0.8741, 0.8797, 2.9690

Inverse Universe

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



44.0090, 30.1492, 40.5468



53.3369, 32.9235, 44.5914



61.3757, 71.6880, 25.3558



13.9916, 13.8143, 15.7261



19.6536, 9.9284, 10.1073



1.4075, 0.7063, 0.9386

Previews

White Background



This preview shows how the XYZ color 34.1605, 36.8112, 77.2563 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 34.1605, 36.8112, 77.2563 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 34.1605, 36.8112, 77.2563

Background



This preview shows how black text looks on a background with the XYZ color 34.1605, 36.8112, 77.2563.

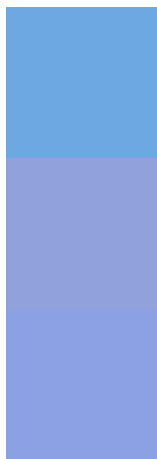


This preview shows how white text looks on a background with the XYZ color 34.1605, 36.8112,

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

34.1605, 36.8112, 77.2563

Protanopia

37.3402, 36.6768, 72.8214

Deuteranopia

37.5637, 36.6666, 78.4963



Tritanopia

29.5523, 36.9307, 53.7149

Trichromacy



Original Color

34.1605, 36.8112, 77.2563

Protanomaly

35.9760, 36.7304, 74.3008

Deuteranomaly

36.1938, 36.7641, 77.8616

Tritanomaly

30.8927, 36.5941, 61.3123

Monochromacy



Original Color

34.1605, 36.8112, 77.2563

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.0036, 34.4426, 49.2173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1605, 36.8112, 77.2563 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(110, 168, 226)` looks like.

```
.text, #text, p{  
    color:rgb(110, 168, 226)  
}
```

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(110, 168, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 168, 226) }
```

Border

The CSS property to change the border of an element to XYZ 34.1605, 36.8112, 77.2563 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(110, 168, 226) }
```


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

```
.border{ border-color:rgb(110, 168, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 168, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 168, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 168, 226);  
box-shadow:4px 4px 4px 4px rgb(110, 168,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1605, 36.8112, 77.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 168, 226) }
```

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

```
.background{ background-color: rgb(110,  
168, 226) }
```

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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