

Converting Colors

XYZ(34.1291, 36.3017, 76.4434)

Have a look what the booklet for
XYZ(34.1291, 36.3017, 76.4434)
contains.

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Color

**XYZ(34.1663, 36.2861,
76.4373)**

Conversions

Conversions Part 1

Format	Color
Hex	72A6E1
RGB	114, 166, 225
RGB Percent	45%, 65%, 88%
CMY	0.5529, 0.3490, 0.1176
CMYK	0.49, 0.26, 0.00, 0.12
HSL	212°, 65%, 66%
HSV	212°, 49%, 88%
XYZ	34.1663, 36.2861, 76.4373
YIQ	157.1780, -49.9310, 7.3250

Conversions

Conversions Part 2

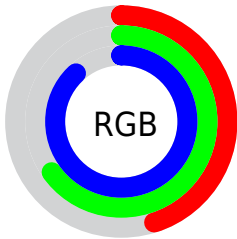
Format	Color
RYB	114, 149, 225
Decimal	7513825
CIELab	66.74, -1.12, -35.10
CIElCh	67, 35.117, 268.180
Yxy	36.2861, 0.2326, 0.2470
Android (android.graphics.Color)	4285703905 (0xFF72A6E1)
YUV	157.1780, 33.4362, -37.8671
Hunter-Lab	60.2379, -4.1732, -33.0679

Details

The XYZ color **34.1663, 36.2861, 76.4373** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.0335, 47.1114, 22.4303**, and the grayscale version is **31.9994, 33.6659, 36.6621**.

A 20% lighter version of the original color is **60.7010, 67.5908, 104.4548**, and **14.7543, 15.7114, 39.7911** is the 20% darker color. If you saturate the color by 10%, you get **29.5178, 30.8116, 75.6263**, and if you desaturate by 10%, it is **39.7393, 42.5387, 77.3511**.

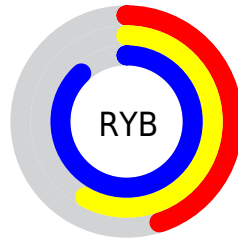
Distribution



Red (45%)

Green (65%)

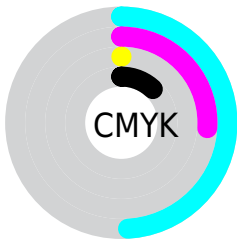
Blue (88%)



Red (45%)

Yellow (58%)

Blue (88%)

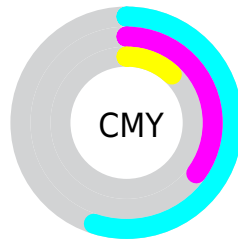


Cyan (49%)

Magenta (26%)

Yellow (0%)

Black (12%)



Cyan (55%)

Magenta (35%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1663, 36.2861, 76.4373 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 34.1663, 36.2861, 76.4373 by changing the saturation by 10% instead.

■ 34.1663, 36.2861,
76.4373

■ 34.1663, 36.2861,
76.4373

312.4458,
330.2093, 502.2300

■ 23.1849, 24.6552,
56.2824

■ 65.5348, 69.4734,
130.1106

■ 14.8515, 15.8204,
40.0238

■ 86.6525, 91.7987,
164.4661

■ 8.8009, 9.3971,
27.2432

■ 111.8798,
118.4575, 204.3921

■ 4.6676, 5.0011,
17.5219

141.5819,
149.8343, 250.3073

■ 2.0863, 2.2479,
10.4414

176.1242,
186.3135, 302.6301

■ 0.6818, 0.7459,
5.5832

215.8720,

■ 0.0000, 0.0000,

228.2795, 361.7791

2.5287

261.1908,
276.1166, 428.1729

■ 0.0000, 0.0000,
0.8553

■ 0.0000, 0.0000,
0.0000

■ 34.1663, 36.2861,
76.4373

■ 34.1663, 36.2861,
76.4373

■ 29.5178, 30.8116,
75.6263

■ 39.7393, 42.5387,
77.3511

■ 25.7307, 26.0725,
74.9112

■ 46.2865, 49.6009,
78.3692

■ 22.7394, 22.0271,
74.2880

■ 53.8584, 57.5068,
79.4961

■ 20.4653, 18.6260,
73.7514

■ 62.5006, 66.2873,
80.7354

■ 18.7847, 15.7962,
73.2937

■ 72.2559, 75.9715,
82.0905

■ 18.6836, 15.6220,
73.2654

■ 83.1647, 86.5869,
83.5645

■ 88.9295, 94.8938,
84.8641

■ 90.5907, 98.2163,
85.4178

Harmonies

Analogous

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



29.3911, 36.2861, 69.8503



34.1663, 36.2861, 76.4373



39.5274, 36.2861, 71.2139

Triad

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



34.1663, 36.2861, 76.4373



44.2715, 36.2861, 27.2699



26.5359, 36.2861, 26.0355

Complementary

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



34.1663, 36.2861, 76.4373



49.0335, 47.1114, 22.4303

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.



29.8978, 36.2861, 18.9669



34.1663, 36.2861, 76.4373



40.1443, 36.2861, 19.5407

Square

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



34.1663, 36.2861, 76.4373



45.7071, 36.2861, 40.4433



34.8134, 36.2861, 16.9329



25.2751, 36.2861, 38.5900

Rectangle

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



34.1663, 36.2861, 76.4373



42.6524, 36.2861, 62.3337



34.8134, 36.2861, 16.9329



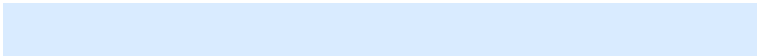
27.4397, 36.2861, 23.0723

Sweetspot

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



34.1676, 36.2874, 76.4382



76.2046, 81.1605, 106.2569



41.2500, 60.3825, 48.1857



15.8016, 16.8517, 22.6698



0.0000, 0.0000, 0.0000



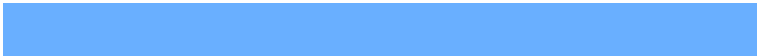
20.3446, 21.4041, 23.3091

Same Dimension

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



34.1676, 36.2874, 76.4382



39.1588, 40.8677, 100.4321



26.7919, 21.1753, 73.9100



13.4788, 14.2967, 17.4368



10.8810, 9.2316, 42.2567



0.8432, 0.8180, 2.9587

Inverse Universe

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



43.9527, 30.7968, 39.7054



53.9867, 34.3680, 44.3611



60.4410, 70.7779, 26.3972



13.9731, 13.8069, 15.6287



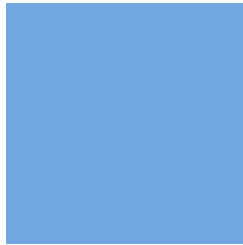
19.4324, 9.8400, 8.9429



1.3919, 0.7000, 0.8565

Previews

White Background



This preview shows how the XYZ color 34.1663, 36.2861, 76.4373 looks on a white background.

Color Contrast Check

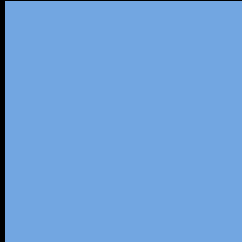
Large Text (above 18pt) WCAG AA × Fail

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 34.1663, 36.2861, 76.4373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

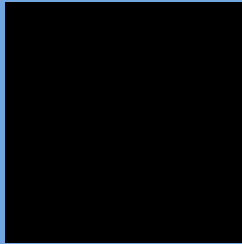
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

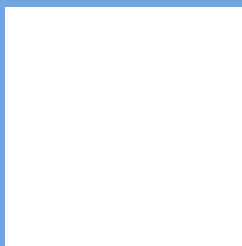
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1663, 36.2861, 76.4373

Background



This preview shows how black text looks on a background with the XYZ color 34.1663, 36.2861, 76.4373.



This preview shows how white text looks on a background with the XYZ color 34.1663, 36.2861,

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

34.1663, 36.2861, 76.4373

Protanopia

36.9907, 36.2382, 72.7552

Deuteranopia

36.9457, 36.1216, 76.9764



Tritanopia

29.3927, 36.2998, 52.4711

Trichromacy



Original Color

34.1663, 36.2861, 76.4373

Protanomaly

35.7780, 36.1011, 74.1898

Deuteranomaly

35.8537, 36.0775, 77.0255

Tritanomaly

30.8612, 36.0307, 60.5864

Monochromacy



Original Color

34.1663, 36.2861, 76.4373

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9988, 34.1817, 49.1672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1663, 36.2861, 76.4373 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(114, 166, 225)` looks like.

```
.text, #text, p{  
    color:rgb(114, 166, 225)  
}
```

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(114, 166, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 166, 225) }
```

Border

The CSS property to change the border of an element to XYZ 34.1663, 36.2861, 76.4373 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(114, 166, 225) }
```


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

```
.border{ border-color:rgb(114, 166, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 166, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 166, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 166, 225);  
box-shadow:4px 4px 4px 4px rgb(114, 166,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1663, 36.2861, 76.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 166, 225) }
```

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

```
.background{ background-color: rgb(114,  
166, 225) }
```

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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