

Converting Colors

XYZ(32.1112, 34.6841, 76.9547)

Have a look what the booklet for
XYZ(32.1112, 34.6841, 76.9547)
contains.

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Color

**XYZ(32.1485, 34.6946,
76.9538)**

Conversions

Conversions Part 1

Format	Color
Hex	63A4E2
RGB	99, 164, 226
RGB Percent	39%, 64%, 89%
CMY	0.6117, 0.3569, 0.1137
CMYK	0.56, 0.27, 0.00, 0.11
HSL	209°, 69%, 64%
HSV	209°, 56%, 89%
XYZ	32.1485, 34.6946, 76.9538
YIQ	151.6330, -58.6420, 5.5020

Conversions

Conversions Part 2

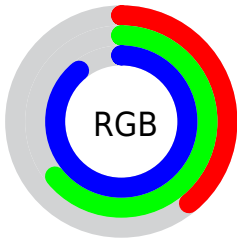
Format	Color
R _Y B	99, 142, 226
Decimal	6530274
CIE Lab	65.51, -2.96, -37.62
CIE LCh	66, 37.732, 265.494
Yxy	34.6946, 0.2236, 0.2413
Android (android.graphics.Color)	4284720354 (0xFF63A4E2)
YUV	151.6330, 36.6629, -46.1591
Hunter-Lab	58.9021, -5.6543, -36.2291

Details

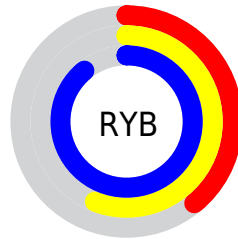
The XYZ color **32.1485, 34.6946, 76.9538** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.3623, 42.5611, 17.5774**, and the grayscale version is **29.5535, 31.0926, 33.8599**.

A 20% lighter version of the original color is **57.4821, 65.1521, 104.1537**, and **13.7259, 15.0038, 40.2028** is the 20% darker color. If you saturate the color by 10%, you get **28.1266, 29.8166, 76.2249**, and if you desaturate by 10%, it is **37.0349, 40.2738, 77.7738**.

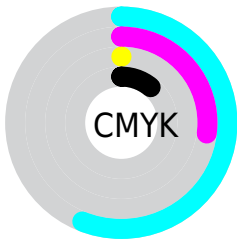
Distribution



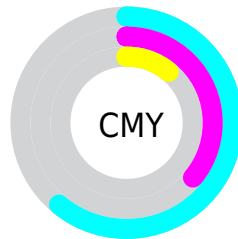
- Red (39%)
- Green (64%)
- Blue (89%)



- Red (39%)
- Yellow (56%)
- Blue (89%)



- Cyan (56%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)



- Cyan (61%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1485, 34.6946, 76.9538 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 32.1485, 34.6946, 76.9538 by changing the saturation by 10% instead.

■ 32.1485, 34.6946,
76.9538

■ 32.1485, 34.6946,
76.9538

303.5284,
323.2183, 504.0400

■ 21.6310, 23.4277,
56.7036

■ 62.4074, 67.0124,
130.8467

■ 13.7011, 14.9096,
40.3596

■ 82.8796, 88.8321,
165.3265

■ 7.9934, 8.7560,
27.5031

■ 107.4008,
114.9382, 205.3865

■ 4.1425, 4.5824,
17.7156

■ 136.3363,
145.7150, 251.4454

■ 1.7831, 2.0044,
10.5787

170.0514,
181.5471, 303.9217

■ 0.5074, 0.6100,
5.6737

208.9116,

■ 0.0000, 0.0000,

222.8187, 363.2338

2.5822

253.2822,
269.9143, 429.8004

■ 0.0000, 0.0000,
0.8832

■ 0.0000, 0.0000,
0.0000

■ 32.1485, 34.6946,
76.9538

■ 32.1485, 34.6946,
76.9538

■ 28.1266, 29.8166,
76.2249

■ 37.0349, 40.2738,
77.7738

■ 24.9020, 25.5969,
75.5804

■ 42.8387, 46.5858,
78.6863

■ 22.4021, 21.9920,
75.0163

■ 49.6125, 53.6644,
79.6956

■ 20.5361, 18.9481,
74.5271

■ 57.4037, 61.5397,
80.8050

■ 19.9348, 17.9055,
74.3576

■ 66.2564, 70.2402,
82.0178

■ 76.2118, 79.7924,
83.3368

■ 86.4926, 89.8010,
84.7268

■ 89.8624, 96.5406,
85.8501

■ 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.



27.3162, 34.6946, 68.8081



32.1485, 34.6946, 76.9538



37.7638, 34.6946, 72.4354

Triad

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



32.1485, 34.6946, 76.9538



43.5259, 34.6946, 26.1351



24.9729, 34.6946, 23.0282

Complementary

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



32.1485, 34.6946, 76.9538



46.3623, 42.5611, 17.5774

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.



28.6113, 34.6946, 16.4298



32.1485, 34.6946, 76.9538



39.3685, 34.6946, 17.8406

Square

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



32.1485, 34.6946, 76.9538



44.7423, 34.6946, 40.2178



33.8179, 34.6946, 14.8375



23.4780, 34.6946, 35.4361

Rectangle

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



32.1485, 34.6946, 76.9538



41.1485, 34.6946, 63.3721



33.8179, 34.6946, 14.8375



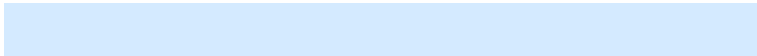
25.9646, 34.6946, 20.2096

Sweetspot

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



32.1497, 34.6958, 76.9547



74.4769, 79.9178, 106.1081



38.7219, 59.5978, 42.8981



15.4795, 16.6433, 22.6466



0.0000, 0.0000, 0.0000



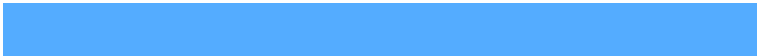
20.3446, 21.4041, 23.3091

Same Dimension

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



32.1497, 34.6958, 76.9547



36.3946, 38.4617, 100.1134



23.5394, 17.4752, 74.0845



13.5292, 14.3975, 17.4536



11.4921, 10.4537, 42.4604



0.8861, 0.9037, 2.9730

Inverse Universe

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



42.5278, 27.7741, 38.2426



51.8292, 30.5869, 41.9967



60.2413, 70.3190, 22.2037



13.9986, 13.8171, 15.7626



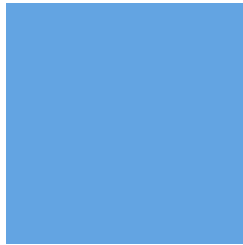
19.7409, 9.9634, 10.5671



1.4135, 0.7087, 0.9705

Previews

White Background



This preview shows how the XYZ color 32.1485, 34.6946, 76.9538 looks on a white background.

Color Contrast Check

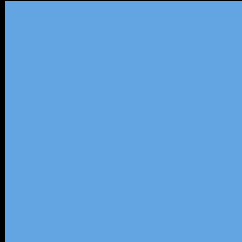
Large Text (above 18pt) WCAG AA × Fail

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 32.1485, 34.6946, 76.9538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

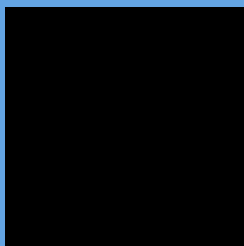
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.1485, 34.6946, 76.9538

Background



This preview shows how black text looks on a background with the XYZ color 32.1485, 34.6946, 76.9538.

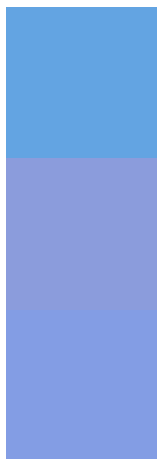


This preview shows how white text looks on a background with the XYZ color 32.1485, 34.6946,

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

32.1485, 34.6946, 76.9538

Protanopia

35.4542, 34.4332, 72.4878

Deuteranopia

35.4206, 34.5407, 78.1989



Tritanopia

27.0768, 34.8468, 51.1980

Trichromacy



Original Color

32.1485, 34.6946, 76.9538

Protanomaly

33.8951, 34.3553, 73.9520

Deuteranomaly

34.0437, 34.6096, 77.5591

Tritanomaly

28.7331, 34.6699, 59.8211

Monochromacy



Original Color

32.1485, 34.6946, 76.9538

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6980, 32.0182, 47.2627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1485, 34.6946, 76.9538 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(99, 164, 226)` looks like.

```
.text, #text, p{  
    color:rgb(99, 164, 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(99, 164, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 164, 226) }
```

Border

The CSS property to change the border of an element to XYZ 32.1485, 34.6946, 76.9538 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(99, 164, 226) }
```


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

```
.border{ border-color:rgb(99, 164, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 164, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 164, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 164, 226);  
box-shadow:4px 4px 4px 4px rgb(99, 164,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1485, 34.6946, 76.9538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 164, 226) }
```

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

```
.background{ background-color: rgb(99, 164,  
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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