

Converting Colors

XYZ(34.6249, 32.2355, 99.0049)

Have a look what the booklet for
XYZ(34.6249, 32.2355, 99.0049)
contains.

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Color

**XYZ(34.5961, 32.1780,
98.9953)**

Conversions

Conversions Part 1

Format	Color
Hex	6697FF
RGB	102, 151, 255
RGB Percent	40%, 59%, 100%
CMY	0.6000, 0.4078, 0.0000
CMYK	0.60, 0.41, 0.00, 0.00
HSL	221°, 100%, 70%
HSV	221°, 60%, 100%
XYZ	34.5961, 32.1780, 98.9953
YIQ	148.2050, -62.5880, 21.9560

Conversions

Conversions Part 2

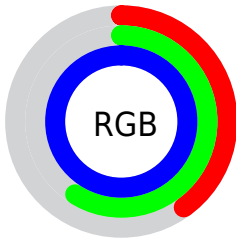
Format	Color
RYB	102, 139, 255
Decimal	6723583
CIELab	63.49, 14.37, -56.70
CIElCh	63, 58.494, 284.221
Yxy	32.1780, 0.2087, 0.1941
Android (android.graphics.Color)	4284913663 (0xFF6697FF)
YUV	148.2050, 52.6499, -40.5218
Hunter-Lab	56.7257, 9.5945, -63.7625

Details

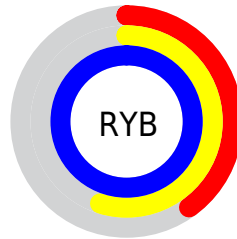
The XYZ color **34.5961, 32.1780, 98.9953** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.7115, 66.3652, 21.9189**, and the grayscale version is **28.0411, 29.5014, 32.1270**.

A 20% lighter version of the original color is **54.9856, 58.6692, 103.0340**, and **15.1776, 13.5552, 55.2425** is the 20% darker color. If you saturate the color by 10%, you get **29.5503, 25.7359, 98.0178**, and if you desaturate by 10%, it is **40.9429, 39.9005, 100.1514**.

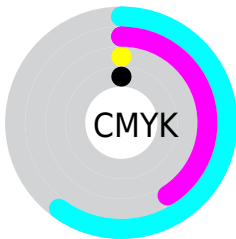
Distribution



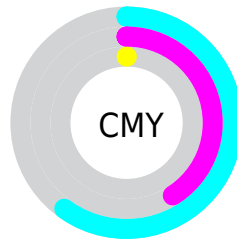
- Red (40%)
- Green (59%)
- Blue (100%)



- Red (40%)
- Yellow (55%)
- Blue (100%)



- Cyan (60%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5961, 32.1780, 98.9953 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 34.5961, 32.1780, 98.9953 by changing the saturation by 10% instead.

■ 34.5961, 32.1780,
98.9953

■ 34.5961, 32.1780,
98.9953

314.3213,
311.9293, 578.1858

■ 23.5170, 21.4975,
74.8495

■ 66.1977, 63.0900,
161.8156

■ 15.0985, 13.4881,
54.9886

■ 87.4510, 84.0903,
201.3273

■ 8.9753, 7.7655,
38.9941

■ 112.8263,
109.2994, 246.7979

■ 4.7821, 3.9453,
26.4473

142.6890,
139.1016, 298.6462

■ 2.1534, 1.6430,
16.9298

177.4045,
173.8812, 357.2906

■ 0.7180, 0.3863,
10.0230

217.3381,

■ 0.0000, 0.0000,

214.0228, 423.1496

5.3084

262.8553,
259.9107, 496.6419

■ 0.0000, 0.0000,
2.3675

■ 0.0000, 0.0000,
0.7686

■ 34.5961, 32.1780,
98.9953

■ 34.5961, 32.1780,
98.9953

■ 29.5503, 25.7359,
98.0178

■ 40.9429, 39.9005,
100.1514

■ 25.6996, 20.4919,
97.2086

■ 48.6778, 48.9718,
101.4947

■ 22.9254, 16.3568,
96.5566

■ 57.8837, 59.4587,
103.0336

■ 21.0423, 13.2044,
96.0474

■ 68.6359, 71.4223,
104.7761

■ 21.0417, 13.2035,
96.0472

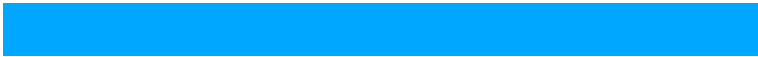
■ 81.0044, 84.9197,
106.7295

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



26.5195, 32.1780, 98.3660



34.5961, 32.1780, 98.9953



42.8614, 32.1780, 78.0224

Triad

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



34.5961, 32.1780, 98.9953



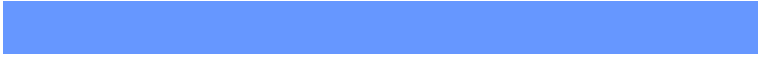
43.2395, 32.1780, 12.1380



17.8511, 32.1780, 24.1987

Complementary

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



34.5961, 32.1780, 98.9953



65.7115, 66.3652, 21.9189

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.



20.9086, 32.1780, 11.7177



34.5961, 32.1780, 98.9953



35.0444, 32.1780, 7.1693

Square

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



34.5961, 32.1780, 98.9953



48.4198, 32.1780, 25.1306



26.8951, 32.1780, 7.0603



17.7743, 32.1780, 47.2534

Rectangle

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



34.5961, 32.1780, 98.9953



46.9691, 32.1780, 58.3917



26.8951, 32.1780, 7.0603



18.5362, 32.1780, 18.9238

Sweetspot

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



34.5973, 32.1790, 98.9954



70.9744, 73.9932, 105.1491



52.1398, 78.7050, 69.5720



14.4666, 15.0401, 22.3905



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.



34.5973, 32.1790, 98.9954



28.6866, 24.5921, 97.8425



31.6302, 21.2754, 97.0472



17.4778, 18.3272, 22.8663



11.1134, 7.1363, 50.2263



1.1759, 0.8824, 4.9216

Inverse Universe

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



51.5782, 32.9987, 32.9298



47.5612, 27.4345, 23.9766



70.6320, 89.2201, 26.0710



18.2491, 18.0829, 19.9288



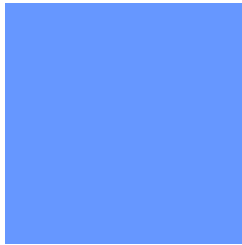
22.3977, 11.4484, 5.4789



2.2281, 1.1336, 0.7827

Previews

White Background



This preview shows how the XYZ color 34.5961, 32.1780, 98.9953 looks on a white background.

Color Contrast Check

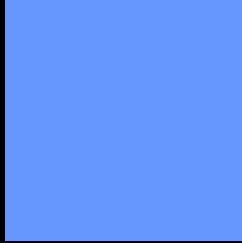
Large Text (above 18pt) WCAG AA × Fail

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 34.5961, 32.1780, 98.9953 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

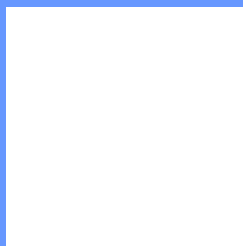
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5961, 32.1780, 98.9953

Background



This preview shows how black text looks on a background with the XYZ color 34.5961, 32.1780, 98.9953.



This preview shows how white text looks on a background with the XYZ color 34.5961, 32.1780,

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

34.5961, 32.1780, 98.9953

Protanopia

35.2261, 32.2834, 98.1406

Deuteranopia

33.2827, 32.2454, 98.2357



Tritanopia

24.5431, 32.2026, 48.6382

Trichromacy



Original Color

34.5961, 32.1780, 98.9953

Protanomaly

34.8591, 32.0942, 98.1235

Deuteranomaly

33.6943, 32.2135, 98.2079

Tritanomaly

27.4383, 31.7493, 64.3566

Monochromacy



Original Color

34.5961, 32.1780, 98.9953

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.0772, 29.9080, 51.2540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5961, 32.1780, 98.9953 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(102, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 151, 255)  
}
```

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(102, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 151, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.5961, 32.1780, 98.9953 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(102, 151, 255) }
```


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

```
.border{ border-color:rgb(102, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 151,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5961, 32.1780, 98.9953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 151, 255) }
```

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

```
.background{ background-color: rgb(102,  
151, 255) }
```

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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