

Converting Colors

XYZ(32.0441, 31.6636, 84.5435)

Have a look what the booklet for
XYZ(32.0441, 31.6636, 84.5435)
contains.

XYZ(32.0441, 31.6636, 84.5435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.0441, 31.6636,
84.5435)**

Conversions

Conversions Part 1

Format	Color
Hex	6599ED
RGB	101, 153, 237
RGB Percent	40%, 60%, 93%
CMY	0.6039, 0.4000, 0.0706
CMYK	0.57, 0.35, 0.00, 0.07
HSL	217°, 79%, 66%
HSV	217°, 57%, 93%
XYZ	32.0441, 31.6636, 84.5435
YIQ	147.0280, -57.9560, 15.1000

Conversions

Conversions Part 2

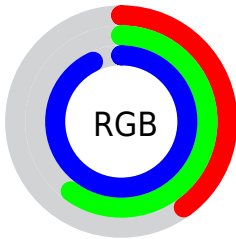
Format	Color
R _Y B	101, 139, 237
Decimal	6658541
CIE Lab	63.06, 7.20, -47.51
CIE LCh	63, 48.050, 278.621
Yxy	31.6636, 0.2161, 0.2136
Android (android.graphics.Color)	4284848621 (0xFF6599ED)
YUV	147.0280, 44.3562, -40.3666
Hunter-Lab	56.2704, 3.1765, -49.6910

Details

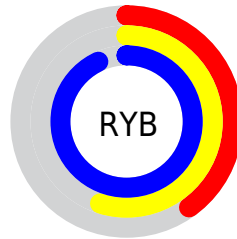
The XYZ color **32.0441, 31.6636, 84.5435** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **54.6247, 53.6445, 19.7890**, and the grayscale version is **27.5856, 29.0222, 31.6051**.

A 20% lighter version of the original color is **54.8600, 59.3192, 103.1661**, and **13.7262, 13.3127, 45.5622** is the 20% darker color. If you saturate the color by 10%, you get **27.5122, 25.9864, 83.6872**, and if you desaturate by 10%, it is **37.6373, 38.3252, 85.5352**.

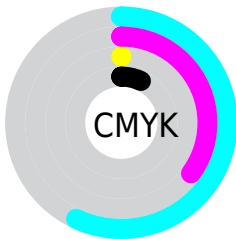
Distribution



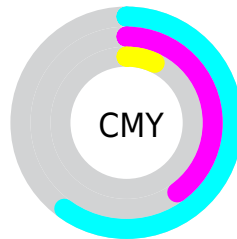
- Red (40%)
- Green (60%)
- Blue (93%)



- Red (40%)
- Yellow (55%)
- Blue (93%)



- Cyan (57%)
- Magenta (35%)
- Yellow (0%)
- Black (7%)



- Cyan (60%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0441, 31.6636, 84.5435 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 32.0441, 31.6636, 84.5435 by changing the saturation by 10% instead.

■ 32.0441, 31.6636,
84.5435

■ 32.0441, 31.6636,
84.5435

303.0618,
309.5840, 530.2215

■ 21.5509, 21.1047,
62.9163

■ 62.2449, 62.2833,
141.6037

■ 13.6420, 13.2005,
45.3329

■ 82.6833, 83.1130,
177.8737

■ 7.9521, 7.5668,
31.3749

■ 107.1674,
108.1349, 219.8618

■ 4.1159, 3.8190,
20.6236

■ 136.0626,
137.7337, 267.9865

■ 1.7679, 1.5728,
12.6606

169.7343,
172.2935, 322.6662

■ 0.4982, 0.3392,
7.0673

208.5479,

■ 0.0000, 0.0000,

212.1990, 384.3196

3.4251

252.8686,
257.8343, 453.3652

■ 0.0000, 0.0000,
1.3156

■ 0.0000, 0.0000,
0.0745

■ 32.0441, 31.6636,
84.5435

■ 32.0441, 31.6636,
84.5435

■ 27.5122, 25.9864,
83.6872

■ 37.6373, 38.3252,
85.5352

■ 23.9596, 21.2343,
82.9572

■ 44.3579, 46.0188,
86.6660

■ 21.2967, 17.3447,
82.3468

■ 52.2706, 54.7925,
87.9424

■ 19.4065, 14.2397,
81.8471

■ 61.4338, 64.6900,
89.3699

■ 18.9943, 13.5308,
81.7320

■ 71.9019, 75.7524,
90.9534

■ 83.7261, 88.0185,
92.6978

■ 92.2862, 98.8945,
94.3459

Harmonies

Analogous

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



25.6892, 31.6636, 80.7876



32.0441, 31.6636, 84.5435



38.7607, 31.6636, 71.5249

Triad

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



32.0441, 31.6636, 84.5435



41.1770, 31.6636, 16.3600



19.7296, 31.6636, 22.8207

Complementary

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



32.0441, 31.6636, 84.5435



54.6247, 53.6445, 19.7890

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.



22.8284, 31.6636, 13.1166



32.0441, 31.6636, 84.5435



34.9784, 31.6636, 10.4514

Square

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



32.0441, 31.6636, 84.5435



44.5175, 31.6636, 29.2950



28.2272, 31.6636, 9.5334



19.1822, 31.6636, 40.2350

Rectangle

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



32.0441, 31.6636, 84.5435



42.3241, 31.6636, 57.1570



28.2272, 31.6636, 9.5334



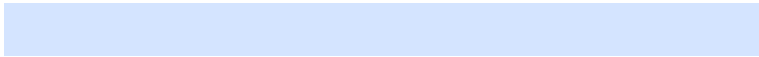
20.4830, 31.6636, 18.7640

Sweetspot

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



32.0453, 31.6647, 84.5443



72.9057, 76.7754, 105.5843



44.3952, 66.8332, 56.3871



15.1095, 15.9033, 22.5232



0.0000, 0.0000, 0.0000



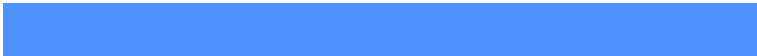
20.3446, 21.4041, 23.3091

Same Dimension

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



32.0453, 31.6647, 84.5443



31.6072, 29.5416, 98.6440



27.2595, 19.1962, 82.3899



14.7033, 15.4930, 19.1378



10.4874, 7.6218, 44.6614



0.9139, 0.7793, 3.5371

Inverse Universe

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



45.3296, 29.6133, 33.4647



49.2530, 28.9445, 30.3166



62.4936, 76.9019, 23.8634



15.3038, 15.1494, 16.8850



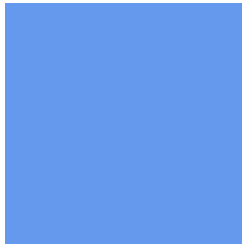
20.1489, 10.2622, 6.5853



1.6278, 0.8241, 0.7574

Previews

White Background



This preview shows how the XYZ color 32.0441, 31.6636, 84.5435 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 32.0441, 31.6636, 84.5435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

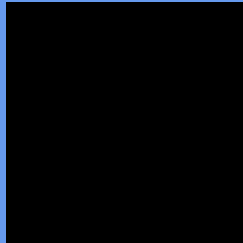
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

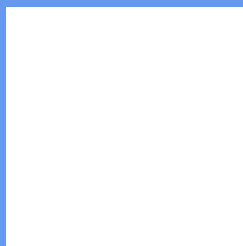
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0441, 31.6636, 84.5435

Background



This preview shows how black text looks on a background with the XYZ color 32.0441, 31.6636, 84.5435.



This preview shows how white text looks on a background with the XYZ color 32.0441, 31.6636,

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

32.0441, 31.6636, 84.5435

Protanopia

33.6248, 31.5730, 82.1639

Deuteranopia

32.5777, 31.6967, 84.5218



Tritanopia

24.5516, 31.7024, 46.9447

Trichromacy



Original Color

32.0441, 31.6636, 84.5435

Protanomaly

32.8412, 31.3883, 82.9249

Deuteranomaly

32.3400, 31.5742, 84.5107

Tritanomaly

26.8914, 31.5917, 58.7133

Monochromacy



Original Color

32.0441, 31.6636, 84.5435

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.1916, 29.5360, 47.3952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0441, 31.6636, 84.5435 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(101, 153, 237)` looks like.

```
.text, #text, p{  
    color:rgb(101, 153, 237)  
}
```

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(101, 153, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 153, 237) }
```

Border

The CSS property to change the border of an element to XYZ 32.0441, 31.6636, 84.5435 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(101, 153, 237) }
```


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

```
.border{ border-color:rgb(101, 153, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 153, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 153, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 153, 237);  
box-shadow:4px 4px 4px 4px rgb(101, 153,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0441, 31.6636, 84.5435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 153, 237) }
```

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

```
.background{ background-color: rgb(101,  
153, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor