

Converting Colors

XYZ(31.8090, 33.8293, 85.0889)

Have a look what the booklet for
XYZ(31.8090, 33.8293, 85.0889)
contains.

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Color

**XYZ(31.7737, 33.7941,
84.9690)**

Conversions

Conversions Part 1

Format	Color
Hex	53A2ED
RGB	83, 162, 237
RGB Percent	33%, 64%, 93%
CMY	0.6745, 0.3647, 0.0706
CMYK	0.65, 0.32, 0.00, 0.07
HSL	209°, 81%, 63%
HSV	209°, 65%, 93%
XYZ	31.7737, 33.7941, 84.9690
YIQ	146.9290, -71.1590, 6.5770

Conversions

Conversions Part 2

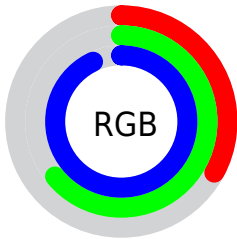
Format	Color
R _Y B	83, 135, 237
Decimal	5481197
CIE Lab	64.80, -1.26, -44.82
CIE LCh	65, 44.842, 268.393
Yxy	33.7941, 0.2111, 0.2245
Android (android.graphics.Color)	4283671277 (0xFF53A2ED)
YUV	146.9290, 44.4050, -56.0657
Hunter-Lab	58.1327, -4.1691, -45.9677

Details

The XYZ color **31.7737, 33.7941, 84.9690** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **48.7153, 43.0858, 13.9343**, and the grayscale version is **27.5488, 28.9835, 31.5630**.

A 20% lighter version of the original color is **54.7169, 62.9567, 103.8757**, and **14.0249, 14.7051, 45.8152** is the 20% darker color. If you saturate the color by 10%, you get **28.0880, 29.0133, 84.2412**, and if you desaturate by 10%, it is **36.3629, 39.3188, 85.7942**.

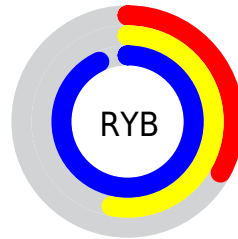
Distribution



Red (33%)

Green (64%)

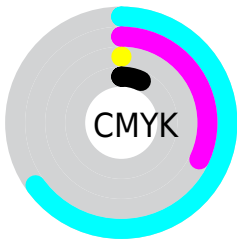
Blue (93%)



Red (33%)

Yellow (53%)

Blue (93%)

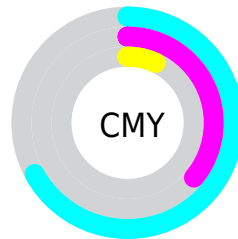


Cyan (65%)

Magenta (32%)

Yellow (0%)

Black (7%)



Cyan (67%)

Magenta (36%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7737, 33.7941, 84.9690 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 31.7737, 33.7941, 84.9690 by changing the saturation by 10% instead.

■ 31.7737, 33.7941,
84.9690

■ 31.7737, 33.7941,
84.9690

301.8507,
319.2130, 531.6674

■ 21.3434, 22.7355,
63.2658

■ 61.8237, 65.6134,
142.2036

■ 13.4891, 14.3983,
45.6139

■ 82.1742, 87.1428,
178.5721

■ 7.8455, 8.3982,
31.5948

■ 106.5621,
112.9312, 220.6661

■ 4.0472, 4.3508,
20.7899

■ 135.3528,
143.3631, 268.9041

■ 1.7289, 1.8717,
12.7808

168.9117,
178.8228, 323.7047

■ 0.4743, 0.5313,
7.1488

207.6041,

■ 0.0000, 0.0000,

219.6948, 385.4864

3.4755

251.7953,
266.3634, 454.6678

■ 0.0000, 0.0000,
1.3423

■ 0.0000, 0.0000,
0.0960

■ 31.7737, 33.7941,
84.9690

■ 31.7737, 33.7941,
84.9690

■ 28.0880, 29.0133,
84.2412

■ 36.3629, 39.3188,
85.7942

■ 25.2207, 24.9236,
83.6029

■ 41.9223, 45.6272,
86.7188

■ 23.0743, 21.4675,
83.0489

■ 48.5158, 52.7600,
87.7481

■ 22.1935, 19.9291,
82.7984

■ 56.2006, 60.7530,
88.8858

■ 65.0294, 69.6399,
90.1359

■ 75.0512, 79.4522,
91.5016

■ 86.3120, 90.2197,
92.9865

■ 92.0772, 98.4764,
94.2763

■ 92.2862, 98.8945,
94.3460

Harmonies

Analogous

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



26.0469, 33.7941, 76.1122



31.7737, 33.7941, 84.9690



38.3887, 33.7941, 77.7409

Triad

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



31.7737, 33.7941, 84.9690



44.3176, 33.7941, 22.3537



22.6700, 33.7941, 21.1388

Complementary

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



31.7737, 33.7941, 84.9690



48.7153, 43.0858, 13.9343

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.



26.5743, 33.7941, 13.5537



31.7737, 33.7941, 84.9690



39.0712, 33.7941, 14.0720

Square

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



31.7737, 33.7941, 84.9690



46.1871, 33.7941, 37.8012



32.4694, 33.7941, 11.4802



21.2459, 33.7941, 35.8088

Rectangle

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



31.7737, 33.7941, 84.9690



42.3190, 33.7941, 65.7923



32.4694, 33.7941, 11.4802



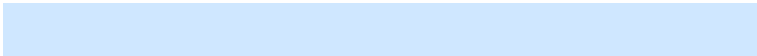
23.7078, 33.7941, 17.8856

Sweetspot

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



31.7750, 33.7952, 84.9699



72.3455, 77.7985, 105.8113



39.9759, 64.8576, 42.5068



14.8488, 16.0107, 22.5577



0.0000, 0.0000, 0.0000



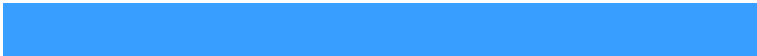
20.3446, 21.4041, 23.3091

Same Dimension

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



31.7750, 33.7952, 84.9699



31.9354, 32.5615, 99.2096



22.1483, 14.5419, 81.7610



14.8702, 15.8267, 19.1934



12.2488, 11.1446, 45.2485



1.0581, 1.0677, 3.5852

Inverse Universe

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



44.5411, 26.8013, 37.0089



48.8417, 26.5711, 34.9606



66.0337, 77.7226, 19.7071



15.3880, 15.1831, 17.3286



21.0379, 10.6179, 11.2670



1.7006, 0.8532, 1.1407

Previews

White Background



This preview shows how the XYZ color 31.7737, 33.7941, 84.9690 looks on a white background.

Color Contrast Check

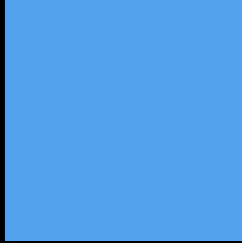
Large Text (above 18pt) WCAG AA × Fail

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 31.7737, 33.7941, 84.9690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

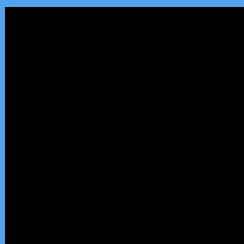
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

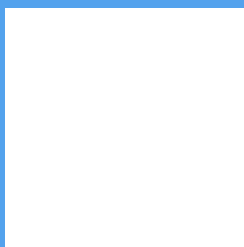
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7737, 33.7941, 84.9690

Background



This preview shows how black text looks on a background with the XYZ color 31.7737, 33.7941, 84.9690.



This preview shows how white text looks on a background with the XYZ color 31.7737, 33.7941,

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

31.7737, 33.7941, 84.9690

Protanopia

35.1986, 33.6497, 79.5028

Deuteranopia

34.5235, 33.6630, 85.5669



Tritanopia

25.1368, 33.8345, 51.6602

Trichromacy



Original Color

31.7737, 33.7941, 84.9690

Protanomaly

33.7044, 33.5745, 81.7949

Deuteranomaly

33.3684, 33.5698, 85.6098

Tritanomaly

27.2020, 33.5369, 62.7972

Monochromacy



Original Color

31.7737, 33.7941, 84.9690

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.7786, 30.0368, 47.5136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7737, 33.7941, 84.9690 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(83, 162, 237)` looks like.

```
.text, #text, p{  
    color:rgb(83, 162, 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(83, 162, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 162, 237) }
```

Border

The CSS property to change the border of an element to XYZ 31.7737, 33.7941, 84.9690 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(83, 162, 237) }
```


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

```
.border{ border-color:rgb(83, 162, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 162, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 162, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 162, 237);  
box-shadow:4px 4px 4px 4px rgb(83, 162,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7737, 33.7941, 84.9690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 162, 237) }
```

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

```
.background{ background-color: rgb(83, 162,  
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](#).

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