

Converting Colors

XYZ(31.8829, 30.9417, 73.8845)

Have a look what the booklet for
XYZ(31.8829, 30.9417, 73.8845)
contains.

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Color

**XYZ(31.8125, 30.8157,
74.0834)**

Conversions

Conversions Part 1

Format	Color
Hex	7895DF
RGB	120, 149, 223
RGB Percent	47%, 58%, 87%
CMY	0.5294, 0.4157, 0.1255
CMYK	0.46, 0.33, 0.00, 0.13
HSL	223°, 62%, 67%
HSV	223°, 46%, 87%
XYZ	31.8125, 30.8157, 74.0834
YIQ	148.7650, -41.0380, 16.8660

Conversions

Conversions Part 2

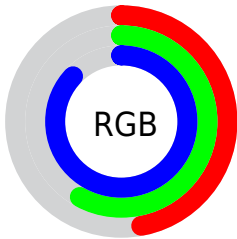
Format	Color
R _Y B	120, 143, 223
Decimal	7902687
CIE Lab	62.35, 9.43, -40.82
CIE LCh	62, 41.893, 283.011
Yxy	30.8157, 0.2327, 0.2254
Android (android.graphics.Color)	4286092767 (0xFF7895DF)
YUV	148.7650, 36.5979, -25.2269
Hunter-Lab	55.5119, 5.1482, -40.2672

Details

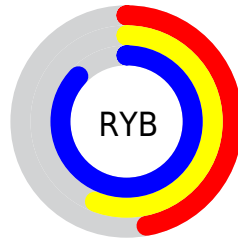
The XYZ color **31.8125, 30.8157, 74.0834** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.1147, 55.6294, 25.7089**, and the grayscale version is **28.3330, 29.8085, 32.4615**.

A 20% lighter version of the original color is **57.3104, 59.1620, 103.0066**, and **13.4868, 12.7705, 38.3133** is the 20% darker color. If you saturate the color by 10%, you get **26.7095, 24.6778, 73.1682**, and if you desaturate by 10%, it is **37.9866, 38.0245, 75.1500**.

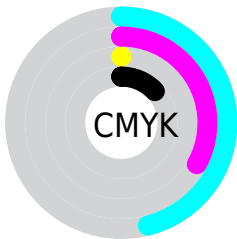
Distribution



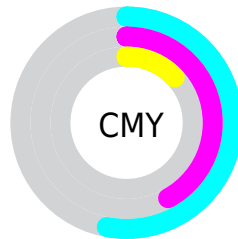
- Red (47%)
- Green (58%)
- Blue (87%)



- Red (47%)
- Yellow (56%)
- Blue (87%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)
- Black (13%)



- Cyan (53%)
- Magenta (42%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8125, 30.8157, 74.0834 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 31.8125, 30.8157, 74.0834 by changing the saturation by 10% instead.

■ 31.8125, 30.8157,
74.0834

■ 31.8125, 30.8157,
74.0834

302.0247,
305.6884, 493.9323

■ 21.3732, 20.4585,
54.3651

■ 61.8842, 60.9498,
126.7492

■ 13.5111, 12.7288,
38.4985

■ 82.2473, 81.4955,
160.5337

■ 7.8608, 7.2421,
26.0650

■ 106.6490,
106.2062, 199.8441

■ 4.0571, 3.6139,
16.6460

135.4548,
135.4663, 245.0988

■ 1.7345, 1.4600,
9.8232

169.0299,
169.6602, 296.7165

■ 0.4777, 0.2604,
5.1778

207.7396,

■ 0.0000, 0.0000,

209.1722, 355.1156

2.2914

251.9495,
254.3868, 420.7146

■ 0.0000, 0.0000,
0.7264

■ 0.0000, 0.0000,
0.0000

■ 31.8125, 30.8157,
74.0834

■ 31.8125, 30.8157,
74.0834

■ 26.7095, 24.6778,
73.1682

■ 37.9866, 38.0245,
75.1500

■ 22.6093, 19.5530,
72.3951

■ 45.2876, 46.3512,
76.3724

■ 19.4407, 15.3826,
71.7572

■ 53.7713, 55.8438,
77.7575

■ 17.1205, 12.0997,
71.2458

■ 63.4887, 66.5464,
79.3112

■ 15.5474, 9.6258,
70.8512

■ 74.4878, 78.5009,
81.0389

■ 15.0850, 8.8589,
70.7275

■ 86.8138, 91.7470,
82.9460

■ 90.3194, 98.1078,
83.9890

Harmonies

Analogous

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



26.2186, 30.8157, 73.1365



31.8125, 30.8157, 74.0834



37.3714, 30.8157, 61.9465

Triad

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



31.8125, 30.8157, 74.0834



38.0044, 30.8157, 16.4463



20.0530, 30.8157, 25.2335

Complementary

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



31.8125, 30.8157, 74.0834



53.1147, 55.6294, 25.7089

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.



22.4656, 30.8157, 15.5119



31.8125, 30.8157, 74.0834



32.5910, 30.8157, 11.6780

Square

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



31.8125, 30.8157, 74.0834



41.2446, 30.8157, 27.0044



26.9034, 30.8157, 11.4027



19.9013, 30.8157, 41.0830

Rectangle

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



31.8125, 30.8157, 74.0834



40.1153, 30.8157, 49.8069



26.9034, 30.8157, 11.4027



20.6107, 30.8157, 21.2867

Sweetspot

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



31.8136, 30.8168, 74.0841



75.4703, 78.5597, 105.7936



43.8516, 60.6561, 60.3288



15.5727, 16.1712, 22.5505



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.



31.8136, 30.8168, 74.0841



36.6820, 34.0371, 99.2442



31.2469, 24.5411, 72.9027



13.2647, 13.8685, 17.3654



8.9524, 5.3744, 41.6139



0.6951, 0.5216, 2.9093

Inverse Universe

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



42.5738, 31.2922, 32.2309



53.1947, 35.8055, 34.7825



53.7812, 66.5059, 27.7732



13.8651, 13.7637, 15.0596



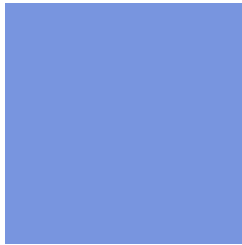
18.4590, 9.4506, 3.8167



1.3171, 0.6701, 0.4627

Previews

White Background



This preview shows how the XYZ color 31.8125, 30.8157, 74.0834 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 31.8125, 30.8157, 74.0834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

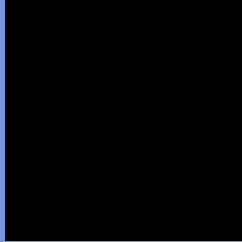
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8125, 30.8157, 74.0834

Background



This preview shows how black text looks on a background with the XYZ color 31.8125, 30.8157, 74.0834.



This preview shows how white text looks on a background with the XYZ color 31.8125, 30.8157,

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

31.8125, 30.8157, 74.0834

Protanopia

32.2322, 30.8137, 73.3561

Deuteranopia

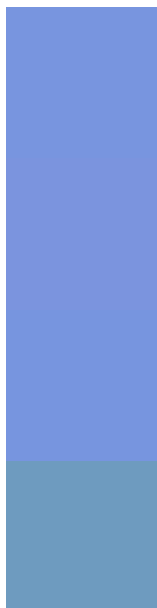
31.5379, 30.6742, 74.0705



Tritanopia

25.6702, 30.7781, 43.6175

Trichromacy



Original Color

31.8125, 30.8157, 74.0834

Protanomaly

31.9431, 30.6647, 73.3425

Deuteranomaly

31.6745, 30.7445, 74.0769

Tritanomaly

27.5557, 30.5193, 53.7287

Monochromacy



Original Color

31.8125, 30.8157, 74.0834

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.0652, 30.0328, 45.3393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8125, 30.8157, 74.0834 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(120, 149, 223)` looks like.

```
.text, #text, p{  
    color:rgb(120, 149, 223)  
}
```

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(120, 149, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 149, 223) }
```

Border

The CSS property to change the border of an element to XYZ 31.8125, 30.8157, 74.0834 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(120, 149, 223) }
```


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

```
.border{ border-color:rgb(120, 149, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 149, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 149, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 149, 223);  
box-shadow:4px 4px 4px 4px rgb(120, 149,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8125, 30.8157, 74.0834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 149, 223) }
```

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

```
.background{ background-color: rgb(120,  
149, 223) }
```

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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