

Converting Colors

XYZ(31.6924, 35.2494, 76.5232)

Have a look what the booklet for
XYZ(31.6924, 35.2494, 76.5232)
contains.

XYZ(31.7237, 35.2978, 76.3753)	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(31.7237, 35.2978,
76.3753)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA7E1
RGB	91, 167, 225
RGB Percent	36%, 65%, 88%
CMY	0.6431, 0.3451, 0.1176
CMYK	0.60, 0.26, 0.00, 0.12
HSL	206°, 69%, 62%
HSV	206°, 60%, 88%
XYZ	31.7237, 35.2978, 76.3753
YIQ	150.8880, -63.9140, 1.9260

Conversions

Conversions Part 2

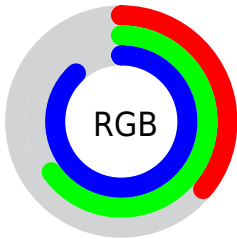
Format	Color
R_{YB}	91, 139, 225
Decimal	6006753
CIE _{Lab}	65.98, -6.53, -36.36
CIE _{LCh}	66, 36.940, 259.818
Yxy	35.2978, 0.2212, 0.2462
Android (android.graphics.Color)	4284196833 (0xFF5BA7E1)
YUV	150.8880, 36.5372, -52.5218
Hunter-Lab	59.4120, -8.6588, -34.6302

Details

The XYZ color **31.7237, 35.2978, 76.3753** 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 **43.6886, 38.2599, 14.9814**, and the grayscale version is **29.2372, 30.7598, 33.4974**.

A 20% lighter version of the original color is **56.9338, 66.0419, 104.3544**, and **13.3923, 15.1777, 39.7598** is the 20% darker color. If you saturate the color by 10%, you get **28.1117, 30.8866, 75.7149**, and if you desaturate by 10%, it is **36.1373, 40.3229, 77.1133**.

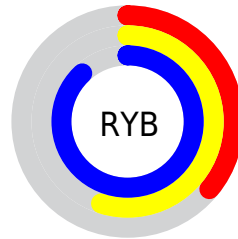
Distribution



Red (36%)

Green (65%)

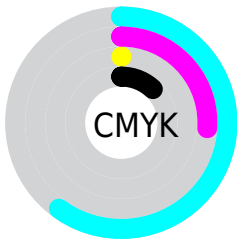
Blue (88%)



Red (36%)

Yellow (55%)

Blue (88%)

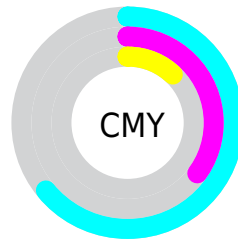


Cyan (60%)

Magenta (26%)

Yellow (0%)

Black (12%)



Cyan (64%)

Magenta (35%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7237, 35.2978, 76.3753 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 31.7237, 35.2978, 76.3753 by changing the saturation by 10% instead.

■ 31.7237, 35.2978,
76.3753

■ 31.7237, 35.2978,
76.3753

301.6264,
325.8809, 502.0124

■ 21.3051, 23.8924,
56.2318

■ 61.7458, 67.9469,
130.0222

■ 13.4609, 15.2538,
39.9836

■ 82.0800, 89.9593,
164.3627

■ 7.8259, 8.9977,
27.2120

■ 106.4501,
116.2761, 204.2726

■ 4.0346, 4.7397,
17.4987

■ 135.2214,
147.2818, 250.1705

■ 1.7217, 2.0953,
10.4250

168.7594,
183.3607, 302.4749

■ 0.4698, 0.6620,
5.5724

207.4293,

■ 0.0000, 0.0000,

224.8973, 361.6043

2.5223

251.5965,
272.2759, 427.9773

■ 0.0000, 0.0000,
0.8519

■ 0.0000, 0.0000,
0.0000

■ 31.7237, 35.2978,
76.3753

■ 31.7237, 35.2978,
76.3753

■ 28.1117, 30.8866,
75.7149

■ 36.1373, 40.3229,
77.1133

■ 25.2332, 27.0481,
75.1257

■ 41.4055, 45.9917,
77.9298

■ 23.0135, 23.7398,
74.6042

■ 47.5808, 52.3359,
78.8289

■ 21.3285, 20.8931,
74.1435

■ 54.7098, 59.3836,
79.8135

■ 21.2592, 20.7732,
74.1240

■ 62.8362, 67.1611,
80.8864

■ 72.0006, 75.6931,
82.0502

■ 82.2411, 85.0030,
83.3075

■ 87.4574, 91.9496,
84.3734

■ 90.4804, 97.9957,
85.3811

Harmonies

Analogous

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



27.2084, 35.2978, 66.3578



31.7237, 35.2978, 76.3753



37.2446, 35.2978, 74.3231

Triad

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



31.7237, 35.2978, 76.3753



44.4534, 35.2978, 29.0956



26.1359, 35.2978, 22.0850

Complementary

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



31.7237, 35.2978, 76.3753



43.6886, 38.2599, 14.9814

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.



30.1072, 35.2978, 16.4835



31.7237, 35.2978, 76.3753



40.8065, 35.2978, 19.7023

Square

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



31.7237, 35.2978, 76.3753



45.0076, 35.2978, 44.0100



35.4440, 35.2978, 15.7496



24.2225, 35.2978, 33.3488

Rectangle

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



31.7237, 35.2978, 76.3753



40.7482, 35.2978, 66.5350



35.4440, 35.2978, 15.7496



27.2529, 35.2978, 19.6236

Sweetspot

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



31.7249, 35.2991, 76.3762



74.1190, 80.2824, 106.1973



36.4943, 58.1769, 36.8429



15.2301, 16.5669, 22.6450



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.



31.7249, 35.2991, 76.3762



36.5200, 39.9735, 100.3986



22.6742, 17.1976, 73.3593



13.5939, 14.5270, 17.4752



12.3687, 12.2069, 42.7526



0.9458, 1.0231, 2.9929

Inverse Universe

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



41.7686, 26.2812, 39.4316



51.5847, 29.3106, 44.3423



56.9450, 64.7727, 19.4002



14.0313, 13.8301, 15.9348



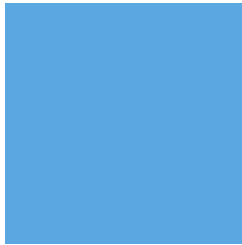
20.1833, 10.1403, 12.8971



1.4437, 0.7207, 1.1292

Previews

White Background



This preview shows how the XYZ color 31.7237, 35.2978, 76.3753 looks on a white background.

Color Contrast Check

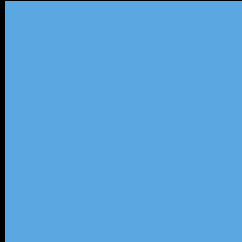
Large Text (above 18pt) WCAG AA × Fail

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 31.7237, 35.2978, 76.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

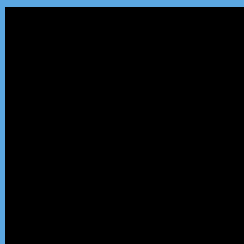
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

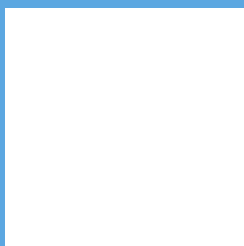
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7237, 35.2978, 76.3753

Background



This preview shows how black text looks on a background with the XYZ color 31.7237, 35.2978, 76.3753.

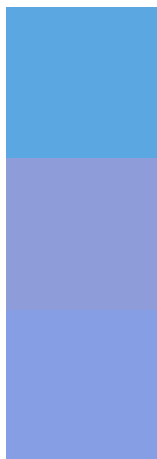


This preview shows how white text looks on a background with the XYZ color 31.7237, 35.2978,

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

31.7237, 35.2978, 76.3753

Protanopia

35.7367, 34.8745, 70.4936

Deuteranopia

35.9235, 35.0681, 77.5485



Tritanopia

27.1148, 35.3988, 52.9805

Trichromacy



Original Color

31.7237, 35.2978, 76.3753

Protanomaly

33.8315, 34.8680, 72.6572

Deuteranomaly

33.9435, 34.8323, 76.8858

Tritanomaly

28.4989, 35.0922, 60.5298

Monochromacy



Original Color

31.7237, 35.2978, 76.3753

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1461, 31.9954, 46.7590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7237, 35.2978, 76.3753 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(91, 167, 225)` looks like.

```
.text, #text, p{  
    color:rgb(91, 167, 225)  
}
```

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(91, 167, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 167, 225) }
```

Border

The CSS property to change the border of an element to XYZ 31.7237, 35.2978, 76.3753 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(91, 167, 225) }
```


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

```
.border{ border-color:rgb(91, 167, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 167, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 167, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 167, 225);  
box-shadow:4px 4px 4px 4px rgb(91, 167,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7237, 35.2978, 76.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 167, 225) }
```

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

```
.background{ background-color: rgb(91, 167,  
225) }
```

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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