

Converting Colors

XYZ(29.2597, 31.5485, 77.2204)

Have a look what the booklet for
XYZ(29.2597, 31.5485, 77.2204)
contains.

XYZ(29.3164, 31.6620, 77.2393)	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(29.3164, 31.6620,
77.2393)**

Conversions

Conversions Part 1

Format	Color
Hex	4F9EE3
RGB	79, 158, 227
RGB Percent	31%, 62%, 89%
CMY	0.6902, 0.3804, 0.1098
CMYK	0.65, 0.30, 0.00, 0.11
HSL	208°, 73%, 60%
HSV	208°, 65%, 89%
XYZ	29.3164, 31.6620, 77.2393
YIQ	142.2450, -69.2330, 4.7110

Conversions

Conversions Part 2

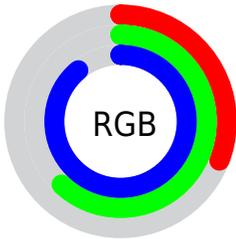
Format	Color
R _Y B	79, 131, 227
Decimal	5218019
CIE Lab	63.06, -2.96, -42.06
CIE LCh	63, 42.160, 265.974
Yxy	31.6620, 0.2121, 0.2291
Android (android.graphics.Color)	4283408099 (0xFF4F9EE3)
YUV	142.2450, 41.7842, -55.4659
Hunter-Lab	56.2690, -5.4714, -41.9979

Details

The XYZ color **29.3164, 31.6620, 77.2393** 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 **43.6814, 38.0777, 12.4462**, and the grayscale version is **25.6688, 27.0056, 29.4091**.

A 20% lighter version of the original color is **52.5780, 59.9697, 103.4119**, and **12.6084, 13.4557, 40.4607** is the 20% darker color. If you saturate the color by 10%, you get **26.0123, 27.3936, 76.5902**, and if you desaturate by 10%, it is **33.4227, 36.5758, 77.9720**.

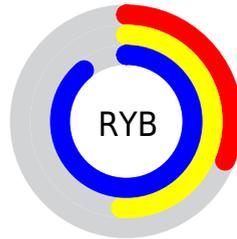
Distribution



Red (31%)

Green (62%)

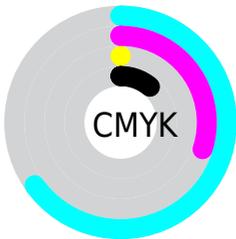
Blue (89%)



Red (31%)

Yellow (51%)

Blue (89%)

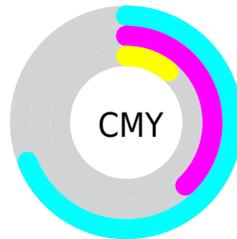


Cyan (65%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (69%)

Magenta (38%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3164, 31.6620, 77.2393 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 29.3164, 31.6620, 77.2393 by changing the saturation by 10% instead.

■ 29.3164, 31.6620,
77.2393

■ 29.3164, 31.6620,
77.2393

290.6722,
309.5767, 505.0389

■ 19.4658, 21.1035,
56.9366

■ 57.9735, 62.2808,
131.2533

■ 12.1133, 13.1997,
40.5453

■ 77.5107, 83.1099,
165.8017

■ 6.8937, 7.5662,
27.6469

■ 101.0074,
108.1313, 205.9357

■ 3.4414, 3.8186,
17.8230

■ 128.8291,
137.7294, 252.0738

■ 1.3913, 1.5726,
10.6548

161.3411,
172.2886, 304.6347

■ 0.2500, 0.3390,
5.7240

198.9087,

■ 0.0000, 0.0000,

212.1933, 364.0368

2.6119

241.8973,
257.8278, 430.6986

■ 0.0000, 0.0000,
0.8986

■ 0.0000, 0.0000,
0.0000

■ 29.3164, 31.6620,
77.2393

■ 29.3164, 31.6620,
77.2393

■ 26.0123, 27.3936,
76.5902

■ 33.4227, 36.5758,
77.9720

■ 23.4343, 23.7240,
76.0178

■ 38.3906, 42.1696,
78.7899

■ 21.4951, 20.6027,
75.5175

■ 44.2772, 48.4789,
79.6974

■ 20.7228, 19.2612,
75.2993

■ 51.1336, 55.5352,
80.6980

■ 59.0068, 63.3676,
81.7949

■ 67.9404, 72.0037,
82.9910

■ 77.9755, 81.4694,
84.2891

■ 87.0572, 90.7100,
85.5941

■ 90.3106, 97.2169,
86.6786

Harmonies

Analogous

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



24.2666, 31.6620, 68.3608



29.3164, 31.6620, 77.2393



35.2552, 31.6620, 71.9671

Triad

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



29.3164, 31.6620, 77.2393



41.2927, 31.6620, 22.2773



21.7538, 31.6620, 19.4945

Complementary

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



29.3164, 31.6620, 77.2393



43.6814, 38.0777, 12.4462

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.



25.4624, 31.6620, 12.9728



29.3164, 31.6620, 77.2393



36.7862, 31.6620, 14.1789

Square

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



29.3164, 31.6620, 77.2393



42.6667, 31.6620, 36.7695



30.8848, 31.6620, 11.3983



20.2708, 31.6620, 32.2771

Rectangle

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



29.3164, 31.6620, 77.2393



38.8601, 31.6620, 61.8258



30.8848, 31.6620, 11.3983



22.7562, 31.6620, 16.6800

Sweetspot

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



29.3176, 31.6631, 77.2401



71.5900, 77.3336, 105.7614



35.8521, 58.6643, 36.4670



14.7137, 15.9437, 22.5519



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.



29.3176, 31.6631, 77.2401



32.6538, 33.9983, 99.4490



20.4508, 13.9296, 74.2845



14.2167, 15.1547, 18.3202



12.2034, 11.4690, 43.9537



0.9946, 1.0331, 3.2790

Inverse Universe

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



40.6471, 24.3929, 34.9146



49.2043, 26.7162, 36.8701



58.5791, 67.8730, 17.4120



14.6969, 14.4960, 16.6045



20.5532, 10.3555, 11.8083



1.5657, 0.7840, 1.1192

Previews

White Background



This preview shows how the XYZ color 29.3164, 31.6620, 77.2393 looks on a white background.

Color Contrast Check

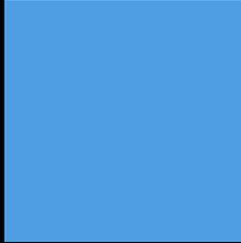
Large Text (above 18pt) WCAG AA × Fail

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 29.3164, 31.6620, 77.2393 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

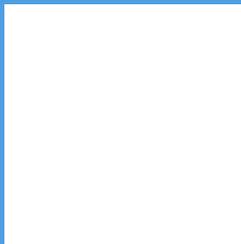
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3164, 31.6620, 77.2393

Background



This preview shows how black text looks on a background with the XYZ color 29.3164, 31.6620, 77.2393.



This preview shows how white text looks on a background with the XYZ color 29.3164, 31.6620,

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

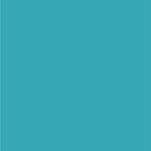
29.3164, 31.6620, 77.2393

Protanopia

32.7190, 31.3293, 72.0328

Deuteranopia

32.4119, 31.5034, 78.5012



Tritanopia

23.6274, 31.7305, 48.5954

Trichromacy



Original Color

29.3164, 31.6620, 77.2393

Protanomaly

31.1031, 31.1637, 74.1879

Deuteranomaly

31.1527, 31.5962, 77.8555

Tritanomaly

25.4551, 31.6523, 58.1940

Monochromacy



Original Color

29.3164, 31.6620, 77.2393

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.7405, 28.1189, 43.6060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3164, 31.6620, 77.2393 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(79, 158, 227)` looks like.

```
.text, #text, p{  
    color:rgb(79, 158, 227)  
}
```

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(79, 158, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 158, 227) }
```

Border

The CSS property to change the border of an element to XYZ 29.3164, 31.6620, 77.2393 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(79, 158, 227) }
```

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

```
.border{ border-color:rgb(79, 158, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 158, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 158, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 158, 227);  
box-shadow:4px 4px 4px 4px rgb(79, 158,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3164, 31.6620, 77.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 158, 227) }
```

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

```
.background{ background-color: rgb(79, 158,  
227) }
```

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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