

Converting Colors

XYZ(28.3738, 31.3566, 61.2700)

Have a look what the booklet for
XYZ(28.3738, 31.3566, 61.2700)
contains.

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Color

**XYZ(28.3160, 31.2505,
61.0395)**

Conversions

Conversions Part 1

Format	Color
Hex	669DCB
RGB	102, 157, 203
RGB Percent	40%, 62%, 80%
CMY	0.6000, 0.3843, 0.2039
CMYK	0.50, 0.23, 0.00, 0.20
HSL	207°, 49%, 60%
HSV	207°, 50%, 80%
XYZ	28.3160, 31.2505, 61.0395
YIQ	145.7990, -47.5460, 2.6460

Conversions

Conversions Part 2

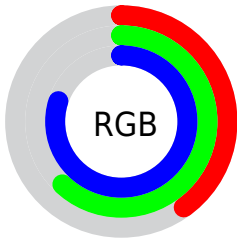
Format	Color
R _{YB}	102, 138, 203
Decimal	6725067
CIE _{Lab}	62.72, -5.36, -29.19
CIE _{LCh}	63, 29.677, 259.586
Yxy	31.2505, 0.2348, 0.2591
Android (android.graphics.Color)	4284915147 (0xFF669DCB)
YUV	145.7990, 28.2001, -38.4117
Hunter-Lab	55.9021, -7.4135, -25.6072

Details

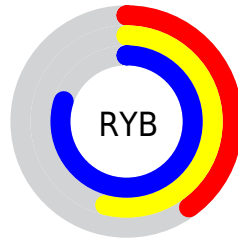
The XYZ color **28.3160, 31.2505, 61.0395** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.6179, 34.8371, 17.3133**, and the grayscale version is **27.1425, 28.5561, 31.0976**.

A 20% lighter version of the original color is **55.4448, 61.0776, 103.4747**, and **11.6176, 13.0135, 30.3333** is the 20% darker color. If you saturate the color by 10%, you get **24.7855, 27.1960, 60.4436**, and if you desaturate by 10%, it is **32.5303, 35.8344, 61.7028**.

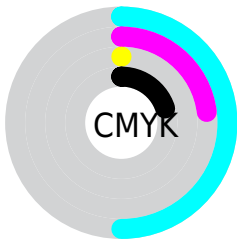
Distribution



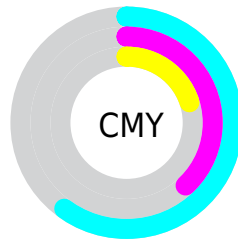
- Red (40%)
- Green (62%)
- Blue (80%)



- Red (40%)
- Yellow (54%)
- Blue (80%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3160, 31.2505, 61.0395 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 28.3160, 31.2505, 61.0395 by changing the saturation by 10% instead.

■ 28.3160, 31.2505,
61.0395

■ 28.3160, 31.2505,
61.0395

286.0266,
307.6907, 446.3294

■ 18.7057, 20.7897,
43.8263

■ 56.3937, 61.6342,
107.8942

■ 11.5605, 12.9703,
30.1978

■ 75.5917, 82.3260,
138.3728

■ 6.5153, 7.4081,
19.7354

■ 98.7164, 107.1967,
174.1102

■ 3.2045, 3.7186,
12.0207

■ 126.1331,
136.6310, 215.5251

■ 1.2628, 1.5174,
6.6351

158.2071,
171.0131, 263.0359

■ 0.1551, 0.3010,
3.1600

195.3037,

■ 0.0000, 0.0000,

210.7275, 317.0612

1.1769

237.7885,
256.1586, 378.0195

■ 0.0000, 0.0000,
0.0000

■ 28.3160, 31.2505,
61.0395

■ 28.3160, 31.2505,
61.0395

■ 24.7855, 27.1960,
60.4436

■ 32.5303, 35.8344,
61.7028

■ 21.8911, 23.6408,
59.9099

■ 37.4654, 40.9688,
62.4337

■ 19.5835, 20.5559,
59.4361

■ 43.1590, 46.6774,
63.2355

■ 17.8036, 17.9068,
59.0186

■ 49.6455, 52.9813,
64.1104

■ 16.4457, 15.6347,
58.6516

■ 56.9567, 59.9005,
65.0606

■ 16.4144, 15.5814,
58.6429

■ 65.1227, 67.4537,
66.0881

■ 74.1722, 75.6591,
67.1949

■ 80.5866, 82.7058,
68.2170

■ 83.2427, 88.0180,
69.1024

Harmonies

Analogous

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



24.9310, 31.2505, 54.0076



28.3160, 31.2505, 61.0395



32.3927, 31.2505, 59.6858

Triad

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



28.3160, 31.2505, 61.0395



37.6673, 31.2505, 27.0791



24.1550, 31.2505, 21.5101

Complementary

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



28.3160, 31.2505, 61.0395



37.6179, 34.8371, 17.3133

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.



27.1659, 31.2505, 17.0318



28.3160, 31.2505, 61.0395



35.0474, 31.2505, 19.7041

Square

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



28.3160, 31.2505, 61.0395



38.0464, 31.2505, 38.2228



31.1339, 31.2505, 16.4560



22.6777, 31.2505, 30.1491

Rectangle

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



28.3160, 31.2505, 61.0395



34.9511, 31.2505, 54.2903



31.1339, 31.2505, 16.4560



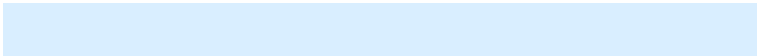
25.0078, 31.2505, 19.5604

Sweetspot

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



28.3171, 31.2517, 61.0403



77.0431, 82.8376, 106.5364



32.1384, 47.6583, 35.2957



16.0032, 17.2551, 22.7371



0.0000, 0.0000, 0.0000



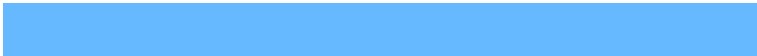
20.3446, 21.4041, 23.3091

Same Dimension

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



28.3171, 31.2517, 61.0403



40.9446, 44.8750, 101.1115



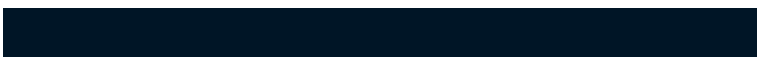
21.5231, 17.6638, 58.7756



11.0995, 11.8394, 14.2706



10.5381, 10.1001, 37.3504



0.6189, 0.6716, 1.9520

Inverse Universe

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



35.4668, 24.6348, 34.7850



54.7817, 34.2789, 49.8031



47.2103, 54.0219, 20.5108



11.4636, 11.3142, 12.9757



17.5300, 8.8226, 10.5097



0.9424, 0.4703, 0.7423

Previews

White Background



This preview shows how the XYZ color 28.3160, 31.2505, 61.0395 looks on a white background.

Color Contrast Check

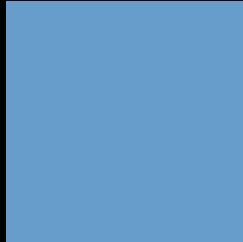
Large Text (above 18pt) WCAG AA × Fail

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 28.3160, 31.2505, 61.0395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

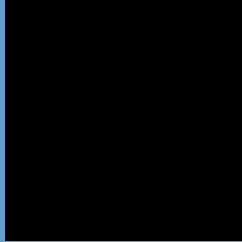
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3160, 31.2505, 61.0395

Background



This preview shows how black text looks on a background with the XYZ color 28.3160, 31.2505, 61.0395.

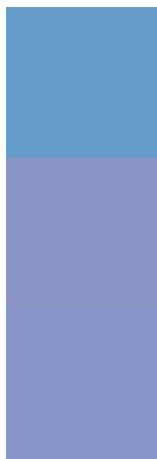


This preview shows how white text looks on a background with the XYZ color 28.3160, 31.2505,

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

28.3160, 31.2505, 61.0395

Protanopia

31.3067, 30.9294, 57.1432

Deuteranopia

31.7586, 31.0536, 62.0777



Tritanopia

25.1724, 31.2630, 45.2651

Trichromacy



Original Color

28.3160, 31.2505, 61.0395

Protanomaly

29.9945, 30.9400, 58.4240

Deuteranomaly

30.2957, 31.0271, 61.5188

Tritanomaly

26.1516, 31.1312, 50.5295

Monochromacy



Original Color

28.3160, 31.2505, 61.0395

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.0873, 29.3485, 40.7964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3160, 31.2505, 61.0395 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(102, 157, 203)` looks like.

```
.text, #text, p{  
    color:rgb(102, 157, 203)  
}
```

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(102, 157, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 157, 203) }
```

Border

The CSS property to change the border of an element to XYZ 28.3160, 31.2505, 61.0395 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(102, 157, 203) }
```


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

```
.border{ border-color:rgb(102, 157, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 157, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 157, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 157, 203);  
box-shadow:4px 4px 4px 4px rgb(102, 157,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3160, 31.2505, 61.0395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 157, 203) }
```

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

```
.background{ background-color: rgb(102,  
157, 203) }
```

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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