

Converting Colors

XYZ(28.8136, 32.1556, 62.2069)

Have a look what the booklet for
XYZ(28.8136, 32.1556, 62.2069)
contains.

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Color

**XYZ(28.9571, 32.3161,
62.4690)**

Conversions

Conversions Part 1

Format	Color
Hex	65A0CD
RGB	101, 160, 205
RGB Percent	40%, 63%, 80%
CMY	0.6039, 0.3725, 0.1961
CMYK	0.51, 0.22, 0.00, 0.20
HSL	206°, 51%, 60%
HSV	206°, 51%, 80%
XYZ	28.9571, 32.3161, 62.4690
YIQ	147.4890, -49.6090, 1.4870

Conversions

Conversions Part 2

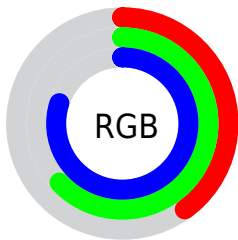
Format	Color
RYB	101, 139, 205
Decimal	6660301
CIELab	63.60, -6.68, -28.94
CIElCh	64, 29.701, 257.009
Yxy	32.3161, 0.2340, 0.2612
Android (android.graphics.Color)	4284850381 (0xFF65A0CD)
YUV	147.4890, 28.3529, -40.7709
Hunter-Lab	56.8473, -8.5576, -25.3602

Details

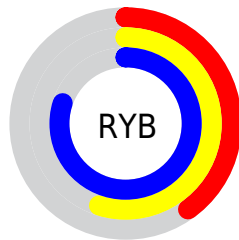
The XYZ color **28.9571, 32.3161, 62.4690** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.8057, 34.4778, 16.9755**, and the grayscale version is **27.8375, 29.2872, 31.8938**.

A 20% lighter version of the original color is **56.2551, 62.9890, 103.8009**, and **11.9690, 13.6431, 31.2807** is the 20% darker color. If you saturate the color by 10%, you get **25.4585, 28.3112, 61.8810**, and if you desaturate by 10%, it is **33.1400, 36.8380, 63.1220**.

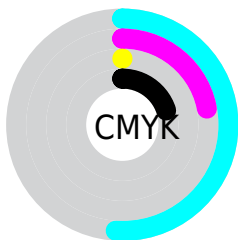
Distribution



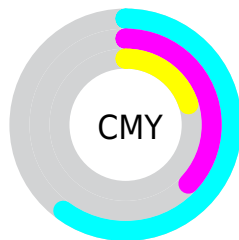
- Red (40%)
- Green (63%)
- Blue (80%)



- Red (40%)
- Yellow (55%)
- Blue (80%)



- Cyan (51%)
- Magenta (22%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9571, 32.3161, 62.4690 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 28.9571, 32.3161, 62.4690 by changing the saturation by 10% instead.

■ 28.9571, 32.3161,
62.4690

■ 28.9571, 32.3161,
62.4690

289.0103,
312.5567, 451.6946

■ 19.1925, 21.6031,
44.9735

■ 57.4069, 63.3063,
109.9812

■ 11.9143, 13.5655,
31.0938

■ 76.8229, 84.3523,
140.8351

■ 6.7571, 7.8191,
20.4112

■ 100.1867,
109.6113, 176.9788

■ 3.3556, 3.9794,
12.5073

■ 127.8636,
139.4678, 218.8310

■ 1.3445, 1.6621,
6.9634

160.2191,
174.3062, 266.8101

■ 0.2162, 0.3989,
3.3611

197.6185,

■ 0.0000, 0.0000,

214.5109, 321.3347

1.2819

240.4271,
260.4663, 382.8234

■ 0.0000, 0.0000,
0.0469

■ 0.0000, 0.0000,
0.0000

■ 28.9571, 32.3161,
62.4690

■ 28.9571, 32.3161,
62.4690

■ 25.4585, 28.3112,
61.8810

■ 33.1400, 36.8380,
63.1220

■ 22.5954, 24.7927,
61.3527

■ 38.0451, 41.8977,
63.8401

■ 20.3168, 21.7316,
60.8820

■ 43.7111, 47.5190,
64.6264

■ 18.5614, 19.0927,
60.4651

■ 50.1729, 53.7230,
65.4834

■ 17.2994, 16.9675,
60.1214

■ 57.4631, 60.5296,
66.4129

■ 65.6124, 67.9573,
67.4171

■ 74.6499, 76.0242,
68.4978

■ 80.8256, 82.7999,
69.4802

■ 83.3711, 87.8909,
70.3287

Harmonies

Analogous

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



25.5913, 32.3161, 54.6803



28.9571, 32.3161, 62.4690



33.1083, 32.3161, 61.8632

Triad

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



28.9571, 32.3161, 62.4690



38.9916, 32.3161, 28.9186



25.2428, 32.3161, 21.7956

Complementary

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



28.9571, 32.3161, 62.4690



37.8057, 34.4778, 16.9755

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.



28.4408, 32.3161, 17.5510



28.9571, 32.3161, 62.4690



36.4817, 32.3161, 20.9830

Square

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



28.9571, 32.3161, 62.4690



39.1616, 32.3161, 40.5758



32.5436, 32.3161, 17.2916



23.5805, 32.3161, 30.2973

Rectangle

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



28.9571, 32.3161, 62.4690



35.7712, 32.3161, 56.7620



32.5436, 32.3161, 17.2916



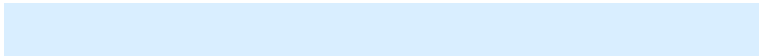
26.1601, 32.3161, 19.9160

Sweetspot

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



28.9582, 32.3173, 62.4698



77.2966, 83.3445, 106.6209



32.2588, 48.4540, 34.1730



16.0643, 17.3772, 22.7574



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.



28.9582, 32.3173, 62.4698



41.1629, 45.7341, 101.2658



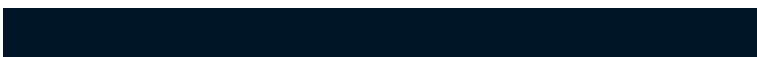
21.9275, 18.2559, 60.1262



11.1210, 11.8825, 14.2778



10.8655, 10.7549, 37.4595



0.6351, 0.7040, 1.9573

Inverse Universe

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



36.1766, 24.8258, 36.1440



54.7888, 33.8869, 51.0575



47.3418, 53.5499, 20.1542



11.4745, 11.3185, 13.0331



17.6953, 8.8887, 11.3800



0.9505, 0.4736, 0.7853

Previews

White Background



This preview shows how the XYZ color 28.9571, 32.3161, 62.4690 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 28.9571, 32.3161, 62.4690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

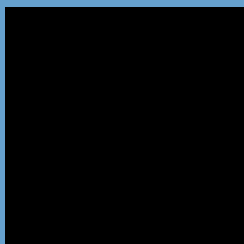
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

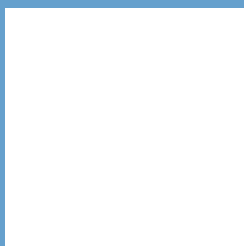
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9571, 32.3161, 62.4690

Background



This preview shows how black text looks on a background with the XYZ color 28.9571, 32.3161, 62.4690.



This preview shows how white text looks on a background with the XYZ color 28.9571, 32.3161,

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

28.9571, 32.3161, 62.4690

Protanopia

32.5215, 32.2427, 58.5422

Deuteranopia

32.8103, 32.0415, 63.4868



Tritanopia

25.9046, 32.3999, 47.0080

Trichromacy



Original Color

28.9571, 32.3161, 62.4690

Protanomaly

30.8681, 32.0954, 59.8264

Deuteranomaly

31.1536, 31.9274, 62.9132

Tritanomaly

26.8936, 32.2581, 52.3859

Monochromacy



Original Color

28.9571, 32.3161, 62.4690

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.5020, 30.0295, 41.3925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9571, 32.3161, 62.4690 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(101, 160, 205)` looks like.

```
.text, #text, p{  
    color:rgb(101, 160, 205)  
}
```

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(101, 160, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 160, 205) }
```

Border

The CSS property to change the border of an element to XYZ 28.9571, 32.3161, 62.4690 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(101, 160, 205) }
```


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

```
.border{ border-color:rgb(101, 160, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 160, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 160, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 160, 205);  
box-shadow:4px 4px 4px 4px rgb(101, 160,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9571, 32.3161, 62.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 160, 205) }
```

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

```
.background{ background-color: rgb(101,  
160, 205) }
```

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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