

Converting Colors

XYZ(28.5306, 26.6844, 63.6539)

Have a look what the booklet for
XYZ(28.5306, 26.6844, 63.6539)
contains.

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Color

**XYZ(28.6227, 26.7057,
63.9677)**

Conversions

Conversions Part 1

Format	Color
Hex	7B89D1
RGB	123, 137, 209
RGB Percent	48%, 54%, 82%
CMY	0.5176, 0.4627, 0.1804
CMYK	0.41, 0.34, 0.00, 0.18
HSL	230°, 48%, 65%
HSV	230°, 41%, 82%
XYZ	28.6227, 26.7057, 63.9677
YIQ	141.0220, -31.4560, 19.4240

Conversions

Conversions Part 2

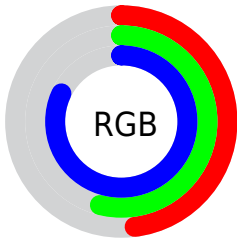
Format	Color
R_{YB}	123, 135, 209
Decimal	8096209
CIE _{Lab}	58.70, 13.15, -38.71
CIE _{LCh}	59, 40.885, 288.768
Yxy	26.7057, 0.2399, 0.2239
Android (android.graphics.Color)	4286286289 (0xFF7B89D1)
YUV	141.0220, 33.5132, -15.8053
Hunter-Lab	51.6776, 8.4302, -37.2163

Details

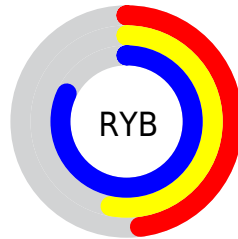
The XYZ color **28.6227, 26.7057, 63.9677** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.3859, 54.0171, 26.5637**, and the grayscale version is **25.2085, 26.5213, 28.8817**.

A 20% lighter version of the original color is **54.8236, 53.5119, 102.0471**, and **11.6952, 10.4147, 31.9657** is the 20% darker color. If you saturate the color by 10%, you get **23.6570, 20.7483, 63.0800**, and if you desaturate by 10%, it is **34.6320, 33.8009, 65.0210**.

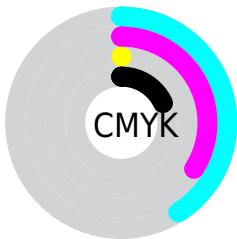
Distribution



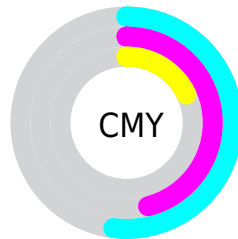
- Red (48%)
- Green (54%)
- Blue (82%)



- Red (48%)
- Yellow (53%)
- Blue (82%)



- Cyan (41%)
- Magenta (34%)
- Yellow (0%)
- Black (18%)



- Cyan (52%)
- Magenta (46%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6227, 26.7057, 63.9677 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 28.6227, 26.7057, 63.9677 by changing the saturation by 10% instead.

■ 28.6227, 26.7057,
63.9677

■ 28.6227, 26.7057,
63.9677

287.4570,
286.2293, 457.2772

■ 18.9384, 17.3523,
46.1785

■ 56.8788, 54.4112,
112.1634

■ 11.7295, 10.4860,
32.0370

■ 76.1814, 73.5322,
143.4071

■ 6.6307, 5.7224,
21.1247

■ 99.4207, 96.6778,
179.9726

■ 3.2765, 2.6770,
13.0231

126.9622,
124.2325, 222.2785

■ 1.3016, 0.9655,
7.3135

159.1713,
156.5805, 270.7434

■ 0.1844, 0.0000,
3.5775

196.4132,

■ 0.0000, 0.0000,

194.1064, 325.7858

1.3966

239.0533,
237.1946, 387.8242

■ 0.0000, 0.0000,
0.1390

■ 0.0000, 0.0000,
0.0000

■ 28.6227, 26.7057,
63.9677

■ 28.6227, 26.7057,
63.9677

■ 23.6570, 20.7483,
63.0800

■ 34.6320, 33.8009,
65.0210

■ 19.6715, 15.8658,
62.3477

■ 41.7373, 42.0863,
66.2457

■ 16.6005, 11.9934,
61.7621

■ 49.9913, 51.6148,
67.6499

■ 14.3685, 9.0582,
61.3132

■ 59.4420, 62.4350,
69.2403

■ 12.8875, 6.9767,
60.9894

■ 70.1350, 74.5931,
71.0235

■ 12.0813, 5.7487,
60.7949

■ 82.1132, 88.1328,
73.0056

■ 88.5087, 97.3835,
74.4541

Harmonies

Analogous

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



23.5457, 26.7057, 65.5743



28.6227, 26.7057, 63.9677



33.3711, 26.7057, 51.4153

Triad

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



28.6227, 26.7057, 63.9677



32.3043, 26.7057, 12.8285



17.0311, 26.7057, 24.0107

Complementary

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



28.6227, 26.7057, 63.9677



49.3859, 54.0171, 26.5637

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.



18.7836, 26.7057, 14.3785



28.6227, 26.7057, 63.9677



27.3134, 26.7057, 9.4959

Square

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



28.6227, 26.7057, 63.9677



35.6829, 26.7057, 21.0475



22.3974, 26.7057, 9.9496



17.2844, 26.7057, 38.9283

Rectangle

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



28.6227, 26.7057, 63.9677



35.5047, 26.7057, 40.3036



22.3974, 26.7057, 9.9496



17.3948, 26.7057, 20.1581

Sweetspot

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



28.6237, 26.7067, 63.9683



77.0394, 79.3809, 105.8694



40.7825, 53.7377, 59.6561



16.1060, 16.5493, 22.5954



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.



28.6237, 26.7067, 63.9683



38.2320, 33.9066, 99.1373



31.4794, 25.4140, 63.5683



11.3169, 11.7241, 14.9102



7.4969, 3.6404, 37.5000



0.4688, 0.3029, 2.1133

Inverse Universe

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



37.8937, 29.5286, 27.3701



54.7656, 39.4531, 33.7472



45.2766, 56.7750, 27.3127



11.8861, 11.8392, 12.6761



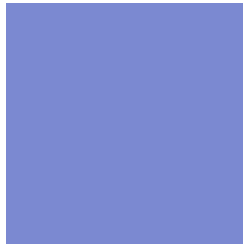
16.4148, 8.4388, 1.8247



0.9429, 0.4819, 0.2340

Previews

White Background



This preview shows how the XYZ color 28.6227, 26.7057, 63.9677 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6227, 26.7057, 63.9677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

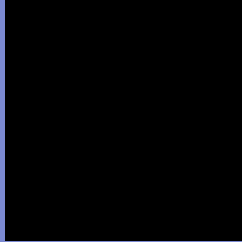
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6227, 26.7057, 63.9677

Background



This preview shows how black text looks on a background with the XYZ color 28.6227, 26.7057, 63.9677.

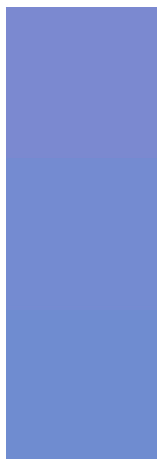


This preview shows how white text looks on a background with the XYZ color 28.6227, 26.7057,

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

28.6227, 26.7057, 63.9677

Protanopia

28.0679, 26.8314, 64.6724

Deuteranopia

27.4453, 26.7550, 63.3922



Tritanopia

23.1221, 26.6856, 36.7331

Trichromacy



Original Color

28.6227, 26.7057, 63.9677

Protanomaly

28.3291, 26.7520, 64.6433

Deuteranomaly

27.8202, 26.7323, 63.3681

Tritanomaly

24.8285, 26.4641, 45.3944

Monochromacy



Original Color

28.6227, 26.7057, 63.9677

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.0925, 26.5777, 39.8312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6227, 26.7057, 63.9677 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(123, 137, 209)` looks like.

```
.text, #text, p{  
    color:rgb(123, 137, 209)  
}
```

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(123, 137, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 137, 209) }
```

Border

The CSS property to change the border of an element to XYZ 28.6227, 26.7057, 63.9677 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(123, 137, 209) }
```


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

```
.border{ border-color:rgb(123, 137, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 137, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 137, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 137, 209);  
box-shadow:4px 4px 4px 4px rgb(123, 137,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6227, 26.7057, 63.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 137, 209) }
```

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

```
.background{ background-color: rgb(123,  
137, 209) }
```

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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