

Converting Colors

XYZ(28.8140, 29.4916, 63.8481)

Have a look what the booklet for
XYZ(28.8140, 29.4916, 63.8481)
contains.

XYZ(28.8147, 29.4937, 63.8487)	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(28.8147, 29.4937,
63.8487)**

Conversions

Conversions Part 1

Format	Color
Hex	7095D0
RGB	112, 149, 208
RGB Percent	44%, 58%, 82%
CMY	0.5608, 0.4157, 0.1843
CMYK	0.46, 0.28, 0.00, 0.18
HSL	217°, 51%, 63%
HSV	217°, 46%, 82%
XYZ	28.8147, 29.4937, 63.8487
YIQ	144.6630, -40.9910, 10.5050

Conversions

Conversions Part 2

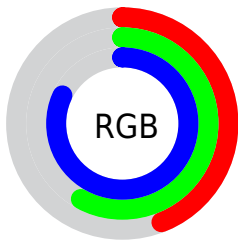
Format	Color
RYB	112, 139, 208
Decimal	7378384
CIELab	61.21, 3.07, -34.27
CIELCh	61, 34.410, 275.112
Yxy	29.4937, 0.2359, 0.2414
Android (android.graphics.Color)	4285568464 (0xFF7095D0)
YUV	144.6630, 31.2251, -28.6455
Hunter-Lab	54.3081, -0.3310, -31.6901

Details

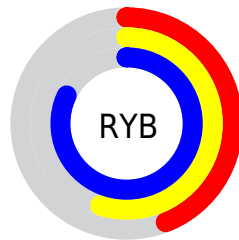
The XYZ color **28.8147, 29.4937, 63.8487** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.5010, 43.7068, 21.4740**, and the grayscale version is **26.6673, 28.0561, 30.5531**.

A 20% lighter version of the original color is **55.5544, 58.2567, 102.9244**, and **11.8425, 12.0643, 31.8415** is the 20% darker color. If you saturate the color by 10%, you get **24.5548, 24.4587, 63.1019**, and if you desaturate by 10%, it is **33.9099, 35.2900, 64.6995**.

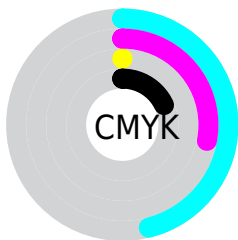
Distribution



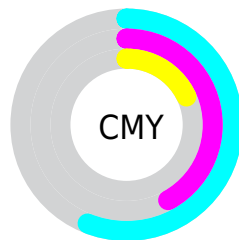
- Red (44%)
- Green (58%)
- Blue (82%)



- Red (44%)
- Yellow (55%)
- Blue (82%)



- Cyan (46%)
- Magenta (28%)
- Yellow (0%)
- Black (18%)



- Cyan (56%)
- Magenta (42%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8147, 29.4937, 63.8487 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 28.8147, 29.4937, 63.8487 by changing the saturation by 10% instead.

■ 28.8147, 29.4937,
63.8487

■ 28.8147, 29.4937,
63.8487

288.3497,
299.5373, 456.8355

■ 19.0843, 19.4546,
46.0827

■ 57.1822, 58.8606,
111.9904

■ 11.8355, 11.9992,
31.9620

■ 76.5499, 78.9571,
143.2032

■ 6.7032, 6.7432,
21.0679

■ 99.8607, 103.1750,
179.7353

■ 3.3219, 3.3020,
12.9819

127.4801,
131.8985, 222.0054

■ 1.3262, 1.2914,
7.2855

159.7733,
165.5121, 270.4319

■ 0.2027, 0.1345,
3.5601

197.1058,

■ 0.0000, 0.0000,

204.4002, 325.4334

1.3873

239.8427,
248.9471, 387.4284

■ 0.0000, 0.0000,
0.1318

■ 0.0000, 0.0000,
0.0000

■ 28.8147, 29.4937,
63.8487

■ 28.8147, 29.4937,
63.8487

■ 24.5548, 24.4587,
63.1019

■ 33.9099, 35.2900,
64.6995

■ 21.0774, 20.1455,
62.4527

■ 39.8828, 41.8780,
65.6563

■ 18.3278, 16.5152,
61.8969

■ 46.7764, 49.2899,
66.7236

■ 16.2418, 13.5232,
61.4293

■ 54.6297, 57.5553,
67.9051

■ 14.7407, 11.1161,
61.0438

■ 63.4797, 66.7020,
69.2041

■ 14.2661, 10.3157,
60.9143

■ 73.3610, 76.7566,
70.6241

■ 83.3418, 87.2471,
72.1229

■ 87.2070, 94.9776,
73.4113

■ 88.3853, 97.3341,
73.8041

Harmonies

Analogous

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



24.5306, 29.4937, 60.4123



28.8147, 29.4937, 63.8487



33.3371, 29.4937, 57.0941

Triad

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



28.8147, 29.4937, 63.8487



35.7640, 29.4937, 19.8149



20.8622, 29.4937, 22.7326

Complementary

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



28.8147, 29.4937, 63.8487



43.5010, 43.7068, 21.4740

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.



23.3234, 29.4937, 15.7471



28.8147, 29.4937, 63.8487



31.8536, 29.4937, 14.4074

Square

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



28.8147, 29.4937, 63.8487



37.6155, 29.4937, 29.9457



27.2653, 29.4937, 13.1487



20.2339, 29.4937, 34.3837

Rectangle

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



28.8147, 29.4937, 63.8487



35.7868, 29.4937, 48.5660



27.2653, 29.4937, 13.1487



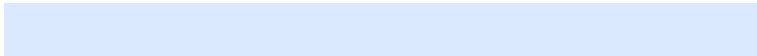
21.4886, 29.4937, 19.8726

Sweetspot

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



28.8157, 29.4948, 63.8494



76.5094, 80.6380, 106.1399



36.4568, 51.4445, 45.8415



15.8240, 16.6738, 22.6343



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.



28.8157, 29.4948, 63.8494



39.2389, 39.1509, 100.0965



25.1500, 20.2521, 62.2586



11.5319, 12.1541, 14.9818



8.9784, 6.6034, 37.9939



0.5780, 0.5212, 2.1497

Inverse Universe

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



37.2323, 27.1693, 31.7166



54.4853, 36.3217, 41.5788



48.8756, 58.3425, 24.0157



11.9946, 11.8826, 13.2475



17.1626, 8.7379, 5.7625



0.9980, 0.5039, 0.5242

Previews

White Background



This preview shows how the XYZ color 28.8147, 29.4937, 63.8487 looks on a white background.

Color Contrast Check

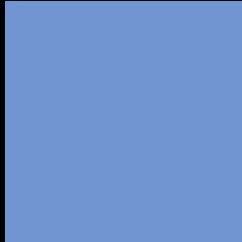
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8147, 29.4937, 63.8487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

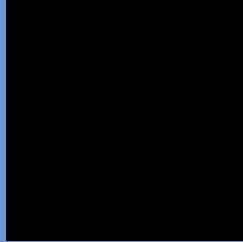
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

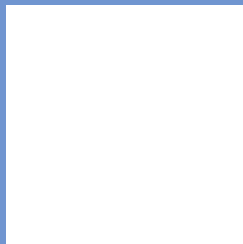
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8147, 29.4937, 63.8487

Background



This preview shows how black text looks on a background with the XYZ color 28.8147, 29.4937, 63.8487.

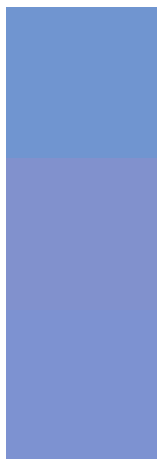


This preview shows how white text looks on a background with the XYZ color 28.8147, 29.4937,

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

28.8147, 29.4937, 63.8487

Protanopia

30.1981, 29.3257, 61.8264

Deuteranopia

30.2450, 29.5212, 64.4257



Tritanopia

24.4167, 29.4082, 41.9256

Trichromacy



Original Color

28.8147, 29.4937, 63.8487

Protanomaly

29.5878, 29.2250, 62.4741

Deuteranomaly

29.6881, 29.4640, 64.4440

Tritanomaly

25.7642, 29.2046, 49.0789

Monochromacy



Original Color

28.8147, 29.4937, 63.8487

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.0196, 28.3715, 41.0979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8147, 29.4937, 63.8487 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(112, 149, 208)` looks like.

```
.text, #text, p{  
    color:rgb(112, 149, 208)  
}
```

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(112, 149, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 149, 208) }
```

Border

The CSS property to change the border of an element to XYZ 28.8147, 29.4937, 63.8487 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(112, 149, 208) }
```


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

```
.border{ border-color:rgb(112, 149, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 149, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 149, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 149, 208);  
box-shadow:4px 4px 4px 4px rgb(112, 149,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8147, 29.4937, 63.8487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 149, 208) }
```

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

```
.background{ background-color: rgb(112,  
149, 208) }
```

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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