

Converting Colors

XYZ(28.6207, 30.9100, 47.4257)

Have a look what the booklet for
XYZ(28.6207, 30.9100, 47.4257)
contains.

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Color

**XYZ(28.6959, 30.9957,
47.6503)**

Conversions

Conversions Part 1

Format	Color
Hex	809AB4
RGB	128, 154, 180
RGB Percent	50%, 60%, 71%
CMY	0.4980, 0.3961, 0.2941
CMYK	0.29, 0.14, 0.00, 0.29
HSL	210°, 26%, 60%
HSV	210°, 29%, 71%
XYZ	28.6959, 30.9957, 47.6503
YIQ	149.1900, -23.8420, 2.5740

Conversions

Conversions Part 2

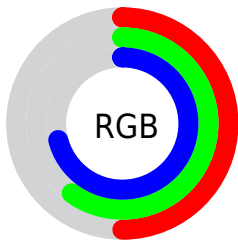
Format	Color
RYB	128, 145, 180
Decimal	8428212
CIELab	62.50, -2.95, -16.49
CIElCh	63, 16.755, 259.849
Yxy	30.9957, 0.2673, 0.2888
Android (android.graphics.Color)	4286618292 (0xFF809AB4)
YUV	149.1900, 15.1893, -18.5836
Hunter-Lab	55.6738, -5.4250, -11.7737

Details

The XYZ color **28.6959, 30.9957, 47.6503** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.2747, 34.3732, 25.2511**, and the grayscale version is **28.5930, 30.0821, 32.7594**.

A 20% lighter version of the original color is **56.9876, 61.1130, 88.1493**, and **11.7416, 12.8106, 21.9325** is the 20% darker color. If you saturate the color by 10%, you get **24.7949, 26.8624, 47.0586**, and if you desaturate by 10%, it is **33.1905, 35.6019, 48.3030**.

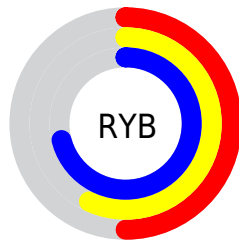
Distribution



Red (50%)

Green (60%)

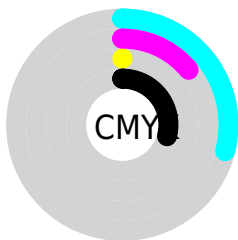
Blue (71%)



Red (50%)

Yellow (57%)

Blue (71%)

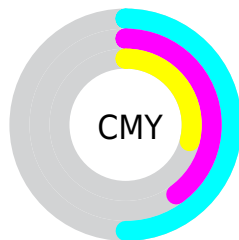


Cyan (29%)

Magenta (14%)

Yellow (0%)

Black (29%)



Cyan (50%)

Magenta (40%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6959, 30.9957, 47.6503 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 28.6959, 30.9957, 47.6503 by changing the saturation by 10% instead.

■ 28.6959, 30.9957,
47.6503

■ 28.6959, 30.9957,
47.6503

287.7976,
306.5185, 393.8730

■ 18.9940, 20.5956,
33.1920

■ 56.9945, 61.2333,
88.0436

■ 11.7699, 12.8287,
22.0013

■ 76.3219, 81.8396,
114.8158

■ 6.6583, 7.3107,
13.6595

■ 99.5886, 106.6167,
146.5296

■ 3.2938, 3.6572,
7.7482

127.1598,
135.9490, 183.6036

■ 1.3109, 1.4837,
3.8488

159.4009,
170.2210, 226.4564

■ 0.1914, 0.2772,
1.5428

196.6774,

■ 0.0000, 0.0000,

209.8169, 275.5066

0.2495

239.3545,
255.1213, 331.1726

0.0000, 0.0000,
0.0000

28.6959, 30.9957,
47.6503

28.6959, 30.9957,
47.6503

24.7949, 26.8624,
47.0586

33.1905, 35.6019,
48.3030

21.4569, 23.1802,
46.5238

38.3016, 40.6940,
49.0165

18.6525, 19.9312,
46.0445

44.0545, 46.2892,
49.7933

16.3483, 17.0942,
45.6184

50.4722, 52.4025,
50.6350

14.5069, 14.6459,
45.2428

57.5762, 59.0484,
51.5434

■ 13.0846, 12.5596,
44.9151

■ 65.3873, 66.2406,
52.5199

■ 12.0050, 10.7915,
44.6307

■ 73.9252, 73.9923,
53.5662

■ 11.8950, 10.6086,
44.6012

■ 76.6745, 78.9477,
54.3777

■ 79.1863, 83.9713,
55.2150

Harmonies

Analogous

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



26.7278, 30.9957, 44.2637



28.6959, 30.9957, 47.6503



30.9715, 30.9957, 46.9635

Triad

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



28.6959, 30.9957, 47.6503



33.7714, 30.9957, 29.6699



26.2405, 30.9957, 26.2955

Complementary

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



28.6959, 30.9957, 47.6503



34.2747, 34.3732, 25.2511

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.



27.9994, 30.9957, 23.2798



28.6959, 30.9957, 47.6503



32.3733, 30.9957, 25.0472

Square

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



28.6959, 30.9957, 47.6503



33.9816, 30.9957, 36.0065



30.2385, 30.9957, 22.8543



25.3593, 30.9957, 31.5880

Rectangle

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



28.6959, 30.9957, 47.6503



32.3545, 30.9957, 44.3146



30.2385, 30.9957, 22.8543



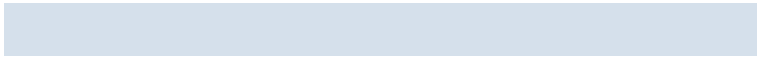
26.7444, 30.9957, 25.0124

Sweetspot

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



28.6969, 30.9969, 47.6510



69.1868, 73.5287, 88.8405



30.9848, 39.5366, 36.1937



14.6516, 15.5942, 19.1600



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.6969, 30.9969, 47.6510



47.1697, 51.0802, 85.6680



24.9738, 23.5507, 46.4100



8.3813, 8.9088, 10.7842



8.3691, 7.5386, 31.1510



0.3217, 0.3539, 0.9996

Inverse Universe

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



32.3751, 27.4756, 34.1702



55.1238, 44.0848, 56.3767



38.8661, 43.5560, 26.7816



8.6676, 8.5738, 9.7483



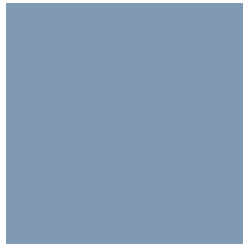
14.4590, 7.3012, 7.5770



0.4844, 0.2415, 0.3935

Previews

White Background



This preview shows how the XYZ color 28.6959, 30.9957, 47.6503 looks on a white background.

Color Contrast Check

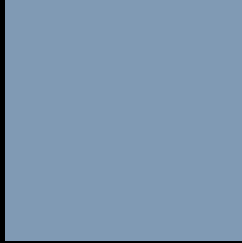
Large Text (above 18pt) WCAG AA × Fail

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 28.6959, 30.9957, 47.6503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

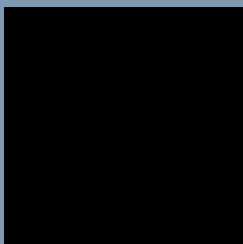
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

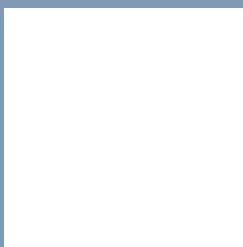
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6959, 30.9957, 47.6503

Background



This preview shows how black text looks on a background with the XYZ color 28.6959, 30.9957, 47.6503.



This preview shows how white text looks on a background with the XYZ color 28.6959, 30.9957,

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

28.6959, 30.9957, 47.6503

Protanopia

30.5192, 31.0068, 45.9713

Deuteranopia

31.3519, 30.6877, 47.9870



Tritanopia

27.4138, 30.9641, 41.5776

Trichromacy



Original Color

28.6959, 30.9957, 47.6503

Protanomaly

29.7500, 30.8365, 46.5035

Deuteranomaly

30.4022, 30.8997, 48.0779

Tritanomaly

27.7719, 30.8569, 43.5220

Monochromacy



Original Color

28.6959, 30.9957, 47.6503

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.3963, 30.3340, 37.6161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6959, 30.9957, 47.6503 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(128, 154, 180)` looks like.

```
.text, #text, p{  
    color:rgb(128, 154, 180)  
}
```

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(128, 154, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 154, 180) }
```

Border

The CSS property to change the border of an element to XYZ 28.6959, 30.9957, 47.6503 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(128, 154, 180) }
```


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

```
.border{ border-color:rgb(128, 154, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 154, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 154, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 154, 180);  
box-shadow:4px 4px 4px 4px rgb(128, 154,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6959, 30.9957, 47.6503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 154, 180) }
```

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

```
.background{ background-color: rgb(128,  
154, 180) }
```

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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