

Converting Colors

XYZ(30.7820, 30.2704, 56.5653)

Have a look what the booklet for
XYZ(30.7820, 30.2704, 56.5653)
contains.

XYZ(30.7141, 30.1713, 56.4294)	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(30.7141, 30.1713,
56.4294)**

Conversions

Conversions Part 1

Format	Color
Hex	8993C4
RGB	137, 147, 196
RGB Percent	54%, 58%, 77%
CMY	0.4627, 0.4235, 0.2314
CMYK	0.30, 0.25, 0.00, 0.23
HSL	230°, 33%, 65%
HSV	230°, 30%, 77%
XYZ	30.7141, 30.1713, 56.4294
YIQ	149.5960, -21.6890, 13.1190

Conversions

Conversions Part 2

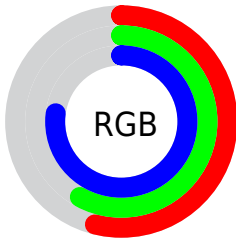
Format	Color
R_{YB}	137, 146, 196
Decimal	9016260
CIE Lab	61.80, 7.76, -26.51
CIE LCh	62, 27.621, 286.317
Yxy	30.1713, 0.2618, 0.2572
Android (android.graphics.Color)	4287206340 (0xFF8993C4)
YUV	149.5960, 22.8772, -11.0467
Hunter-Lab	54.9284, 3.6864, -22.4603

Details

The XYZ color **30.7141, 30.1713, 56.4294** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.8400, 48.6605, 30.6972**, and the grayscale version is **28.7321, 30.2284, 32.9187**.

A 20% lighter version of the original color is **60.3545, 60.0716, 101.3425**, and **12.9035, 12.4337, 27.3110** is the 20% darker color. If you saturate the color by 10%, you get **25.4337, 23.9542, 55.5082**, and if you desaturate by 10%, it is **36.9384, 37.4080, 57.4987**.

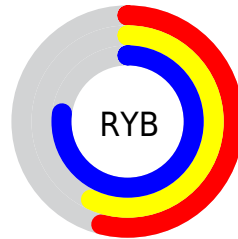
Distribution



Red (54%)

Green (58%)

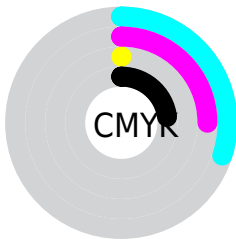
Blue (77%)



Red (54%)

Yellow (57%)

Blue (77%)

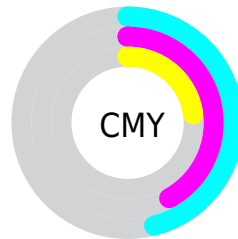


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (23%)



Cyan (46%)

Magenta (42%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7141, 30.1713, 56.4294 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 30.7141, 30.1713, 56.4294 by changing the saturation by 10% instead.

■ 30.7141, 30.1713,
56.4294

■ 30.7141, 30.1713,
56.4294

297.0695,
302.7021, 428.7414

■ 20.5320, 19.9686,
40.1410

■ 60.1686, 59.9330,
101.1242

■ 12.8928, 12.3723,
27.3339

■ 80.1717, 80.2608,
130.3676

■ 7.4313, 6.9977,
17.5895

■ 104.1791,
104.7324, 164.7665

■ 3.7820, 3.4607,
10.4893

132.5563,
133.7323, 204.7394

■ 1.5795, 1.3767,
5.6147

165.6686,
167.6448, 250.7048

■ 0.3790, 0.1995,
2.5473

203.8813,

■ 0.0000, 0.0000,

206.8544, 303.0812

0.8651

247.5598,
251.7453, 362.2873

■ 0.0000, 0.0000,
0.0000

■ 30.7141, 30.1713,
56.4294

■ 30.7141, 30.1713,
56.4294

■ 25.4337, 23.9542,
55.5082

■ 36.9384, 37.4080,
57.4987

■ 21.0475, 18.7069,
54.7266

■ 44.1468, 45.7041,
58.7201

■ 17.5059, 14.3808,
54.0782

■ 52.3809, 55.1013,
60.0999

■ 14.7531, 10.9214,
53.5555

■ 61.6791, 65.6383,
61.6437

■ 12.7264, 8.2682,
53.1503

■ 72.0777, 77.3517,
63.3565

■ 11.3527, 6.3528,
52.8529

■ 83.6113, 90.2765,
65.2434

■ 10.5139, 5.0855,
52.6526

■ 86.9639, 96.7656,
66.3192

Harmonies

Analogous

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



27.0332, 30.1713, 56.7764



30.7141, 30.1713, 56.4294



34.1124, 30.1713, 48.9550

Triad

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



30.7141, 30.1713, 56.4294



33.8545, 30.1713, 20.2528



22.3285, 30.1713, 28.2811

Complementary

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



30.7141, 30.1713, 56.4294



44.8400, 48.6605, 30.6972

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.



23.8518, 30.1713, 20.7344



30.7141, 30.1713, 56.4294



30.3859, 30.1713, 16.8159

Square

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



30.7141, 30.1713, 56.4294



36.0290, 30.1713, 27.4735



26.7319, 30.1713, 16.9708



22.3999, 30.1713, 38.8890

Rectangle

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



30.7141, 30.1713, 56.4294



35.6677, 30.1713, 41.6954



26.7319, 30.1713, 16.9708



22.6650, 30.1713, 25.3557

Sweetspot

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



30.7151, 30.1725, 56.4301



81.3231, 84.3404, 106.6009



38.8336, 48.3095, 53.2791



16.9631, 17.5444, 22.7423



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.



30.7151, 30.1725, 56.4301



49.2671, 47.1714, 101.1161



32.5596, 28.9144, 56.0900



9.6632, 10.0178, 12.7091



6.7994, 3.3553, 33.8459



0.3376, 0.2326, 1.4770

Inverse Universe

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



36.9780, 31.7348, 31.7814



62.4851, 50.7704, 49.0266



42.4598, 50.6710, 31.2107



10.1413, 10.1051, 10.8347



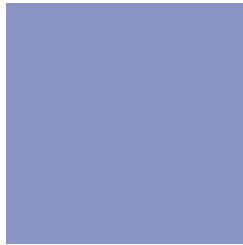
14.8280, 7.6209, 1.7403



0.6628, 0.3381, 0.1917

Previews

White Background



This preview shows how the XYZ color 30.7141, 30.1713, 56.4294 looks on a white background.

Color Contrast Check

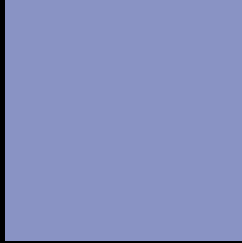
Large Text (above 18pt) WCAG AA × Fail

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 30.7141, 30.1713, 56.4294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

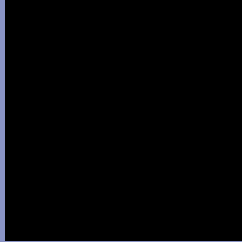
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7141, 30.1713, 56.4294

Background



This preview shows how black text looks on a background with the XYZ color 30.7141, 30.1713, 56.4294.



This preview shows how white text looks on a background with the XYZ color 30.7141, 30.1713,

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

30.7141, 30.1713, 56.4294

Protanopia

30.5509, 30.0872, 56.4218

Deuteranopia

30.8788, 30.2562, 56.4371



Tritanopia

27.3887, 30.2449, 39.9916

Trichromacy



Original Color

30.7141, 30.1713, 56.4294

Protanomaly

30.5509, 30.0872, 56.4218

Deuteranomaly

30.8788, 30.2562, 56.4371

Tritanomaly

28.5759, 30.2544, 45.4079

Monochromacy



Original Color

30.7141, 30.1713, 56.4294

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.3996, 30.3047, 40.8591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7141, 30.1713, 56.4294 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(137, 147, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 147, 196)  
}
```

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(137, 147, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 147, 196) }
```

Border

The CSS property to change the border of an element to XYZ 30.7141, 30.1713, 56.4294 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(137, 147, 196) }
```


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

```
.border{ border-color:rgb(137, 147, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 147, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 147, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 147, 196);  
box-shadow:4px 4px 4px 4px rgb(137, 147,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7141, 30.1713, 56.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 147, 196) }
```

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

```
.background{ background-color: rgb(137,  
147, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor