

Converting Colors

XYZ(28.5457, 29.8579, 80.8691)

Have a look what the booklet for
XYZ(28.5457, 29.8579, 80.8691)
contains.

XYZ(28.5553, 29.9483, 80.6195)	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(28.5553, 29.9483,
80.6195)**

Conversions

Conversions Part 1

Format	Color
Hex	4799E8
RGB	71, 153, 232
RGB Percent	28%, 60%, 91%
CMY	0.7215, 0.4000, 0.0902
CMYK	0.69, 0.34, 0.00, 0.09
HSL	209°, 78%, 59%
HSV	209°, 69%, 91%
XYZ	28.5553, 29.9483, 80.6195
YIQ	137.4880, -74.2310, 7.1850

Conversions

Conversions Part 2

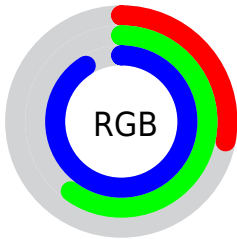
Format	Color
RYB	71, 125, 232
Decimal	4692456
CIELab	61.61, 0.35, -47.13
CIELCh	62, 47.127, 270.430
Yxy	29.9483, 0.2053, 0.2153
Android (android.graphics.Color)	4282882536 (0xFF4799E8)
YUV	137.4880, 46.5944, -58.3100
Hunter-Lab	54.7250, -2.6283, -49.0370

Details

The XYZ color **28.5553, 29.9483, 80.6195** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **45.3246, 39.4268, 11.1843**, and the grayscale version is **23.8132, 25.0534, 27.2831**.

A 20% lighter version of the original color is **50.5162, 57.0799, 102.9628**, and **12.5878, 12.6373, 42.8501** is the 20% darker color. If you saturate the color by 10%, you get **25.3918, 25.6824, 79.9635**, and if you desaturate by 10%, it is **32.5480, 34.9065, 81.3667**.

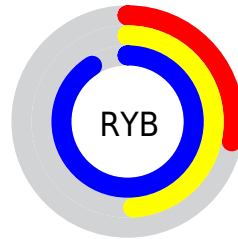
Distribution



Red (28%)

Green (60%)

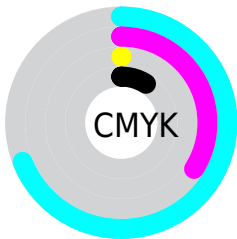
Blue (91%)



Red (28%)

Yellow (49%)

Blue (91%)

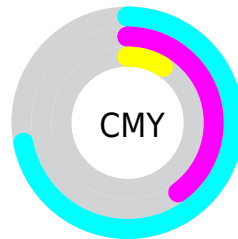


Cyan (69%)

Magenta (34%)

Yellow (0%)

Black (9%)



Cyan (72%)

Magenta (40%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5553, 29.9483, 80.6195 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 28.5553, 29.9483, 80.6195 by changing the saturation by 10% instead.

■ 28.5553, 29.9483,
80.6195

■ 28.5553, 29.9483,
80.6195

287.1431,
301.6634, 516.7799

■ 18.8873, 19.7993,
59.6991

■ 56.7723, 59.5804,
136.0556

■ 11.6924, 12.2493,
42.7524

■ 76.0519, 79.8324,
171.4084

■ 6.6053, 6.9137,
29.3610

■ 99.2661, 104.2208,
212.4091

■ 3.2606, 3.4082,
19.1061

■ 126.7802,
133.1300, 259.4763

■ 1.2930, 1.3484,
11.5694

158.9596,
166.9445, 313.0284

■ 0.1780, 0.1782,
6.3322

196.1697,

■ 0.0000, 0.0000,

206.0486, 373.4840

2.9761

238.7757,
250.8268, 441.2616

■ 0.0000, 0.0000,
1.0824

■ 0.0000, 0.0000,
0.0000

■ 28.5553, 29.9483,
80.6195

■ 28.5553, 29.9483,
80.6195

■ 25.3918, 25.6824,
79.9635

■ 32.5480, 34.9065,
81.3667

■ 22.9706, 22.0553,
79.3910

■ 37.4375, 40.5975,
82.2075

■ 21.1621, 18.9930,
78.8952

■ 43.2873, 47.0614,
83.1468

■ 21.0625, 18.8200,
78.8671

■ 50.1541, 54.3340,
84.1887

■ 58.0897, 62.4481,
85.3366

■ 67.1421, 71.4349,
86.5941

■ 77.3564, 81.3233,
87.9644

■ 88.1796, 91.8342,
89.4228

■ 91.5656, 98.6062,
90.5514

Harmonies

Analogous

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



22.9313, 29.9483, 72.6913



28.5553, 29.9483, 80.6195



35.0032, 29.9483, 72.2512

Triad

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



28.5553, 29.9483, 80.6195



40.1491, 29.9483, 18.0861



19.2313, 29.9483, 18.3900

Complementary

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



28.5553, 29.9483, 80.6195



45.3246, 39.4268, 11.1843

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.



22.7963, 29.9483, 11.0093



28.5553, 29.9483, 80.6195



34.8241, 29.9483, 10.8845

Square

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



28.5553, 29.9483, 80.6195



42.2691, 29.9483, 32.3508



28.3748, 29.9483, 8.8652



18.0502, 29.9483, 32.8677

Rectangle

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



28.5553, 29.9483, 80.6195



38.7819, 29.9483, 59.8488



28.3748, 29.9483, 8.8652



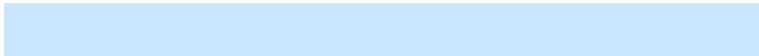
20.1621, 29.9483, 15.2167

Sweetspot

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



28.5564, 29.9493, 80.6203



70.2012, 75.5852, 105.4971



36.8668, 61.2180, 38.2327



14.4265, 15.5691, 22.4947



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.



28.5564, 29.9493, 80.6203



30.1504, 29.9201, 98.7938



19.5933, 12.0230, 77.6326



14.1866, 15.0946, 18.3102



11.8195, 10.7011, 43.8257



0.9664, 0.9767, 3.2695

Inverse Universe

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



41.2828, 23.9637, 32.5874



47.7141, 25.2523, 31.6979



62.5240, 73.8256, 16.9174



14.6818, 14.4899, 16.5247



20.3594, 10.2780, 10.7877



1.5514, 0.7783, 1.0442

Previews

White Background



This preview shows how the XYZ color 28.5553, 29.9483, 80.6195 looks on a white background.

Color Contrast Check

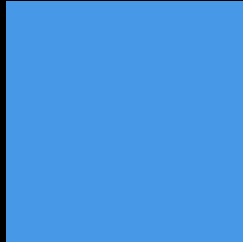
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5553, 29.9483, 80.6195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

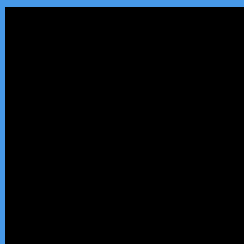
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

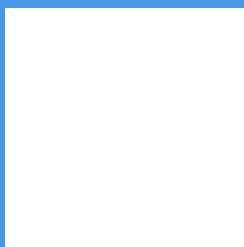
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5553, 29.9483, 80.6195

Background



This preview shows how black text looks on a background with the XYZ color 28.5553, 29.9483, 80.6195.



This preview shows how white text looks on a background with the XYZ color 28.5553, 29.9483,

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

28.5553, 29.9483, 80.6195

Protanopia

31.4617, 29.6801, 75.3048

Deuteranopia

30.6647, 29.8297, 81.2323



Tritanopia

21.6633, 29.9583, 46.2357

Trichromacy



Original Color

28.5553, 29.9483, 80.6195

Protanomaly

30.0730, 29.6060, 77.5283

Deuteranomaly

29.8308, 29.8695, 81.2839

Tritanomaly

23.6451, 29.6864, 57.3071

Monochromacy



Original Color

28.5553, 29.9483, 80.6195

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.0789, 26.1342, 42.8050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5553, 29.9483, 80.6195 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(71, 153, 232)` looks like.

```
.text, #text, p{  
    color:rgb(71, 153, 232)  
}
```

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(71, 153, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 153, 232) }
```

Border

The CSS property to change the border of an element to XYZ 28.5553, 29.9483, 80.6195 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(71, 153, 232) }
```


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

```
.border{ border-color:rgb(71, 153, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 153, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 153, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 153, 232);  
box-shadow:4px 4px 4px 4px rgb(71, 153,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5553, 29.9483, 80.6195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 153, 232) }
```

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

```
.background{ background-color: rgb(71, 153,  
232) }
```

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