

Converting Colors

XYZ(7.9338, 8.5622, 25.1657)

Have a look what the booklet for
XYZ(7.9338, 8.5622, 25.1657)
contains.

XYZ(7.9956, 8.6514, 25.2932)	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(7.9956, 8.6514,
25.2932)**

Conversions

Conversions Part 1

Format	Color
Hex	00578A
RGB	0, 87, 138
RGB Percent	0%, 34%, 54%
CMY	0.9999, 0.6588, 0.4588
CMYK	1.00, 0.37, 0.00, 0.46
HSL	202°, 100%, 27%
HSV	202°, 100%, 54%
XYZ	7.9956, 8.6514, 25.2932
YIQ	66.8010, -68.2230, -2.5830

Conversions

Conversions Part 2

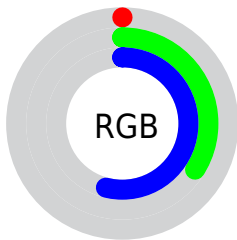
Format	Color
R_{YB}	0, 53, 138
Decimal	22410
CIE _{Lab}	35.30, -2.06, -34.49
CIE _{LCh}	35, 34.551, 266.587
Yxy	8.6514, 0.1906, 0.2063
Android (android.graphics.Color)	4278212490 (0xFF00578A)
YUV	66.8010, 35.1011, -58.5845
Hunter-Lab	29.4133, -2.9504, -30.3957

Details

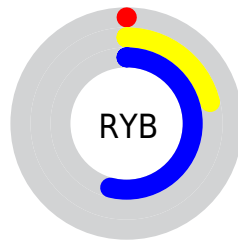
The XYZ color **7.9956, 8.6514, 25.2932** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **11.6658, 7.7721, 0.8857**, and the grayscale version is **5.2587, 5.5325, 6.0249**.

A 20% lighter version of the original color is **21.6269, 23.1196, 53.1918**, and **2.5894, 2.3605, 9.5517** is the 20% darker color. If you saturate the color by 10%, you get **7.9954, 8.6508, 25.2933**, and if you desaturate by 10%, it is **8.6017, 9.5988, 25.4443**.

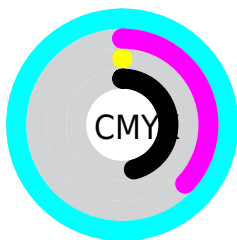
Distribution



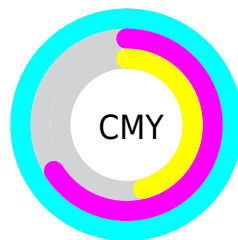
- Red (0%)
- Green (34%)
- Blue (54%)



- Red (0%)
- Yellow (21%)
- Blue (54%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (66%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.9956, 8.6514, 25.2932 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 7.9956, 8.6514, 25.2932 by changing the saturation by 10% instead.

7.9956, 8.6514,
25.2932

7.9956, 8.6514,
25.2932

170.0683,
180.7556, 292.7892

4.1439, 4.5145,
16.0746

21.6353, 23.2259,
53.1025

1.7839, 1.9653,
9.4220

32.1541, 34.4323,
72.5303

0.5079, 0.5872,
4.9169

45.6259, 48.7640,
96.1982

0.0000, 0.0000,
2.1407

62.4161, 66.6054,
124.5249

0.0000, 0.0000,
0.6398

82.8901, 88.3408,
157.9288

0.0000, 0.0000,
0.0000

107.4132,

114.3548, 196.8284

136.3508,
145.0316, 241.6424

■ 7.9956, 8.6514,
25.2932

■ 7.9956, 8.6514,
25.2932

■ 7.9954, 8.6508,
25.2933

■ 8.6017, 9.5988,
25.4443

■ 9.3493, 10.6632,
25.6104

■ 10.2997, 11.8773,
25.7946

■ 11.4746, 13.2529,
25.9982

■ 12.8926, 14.8005,
26.2222

■ 14.5702, 16.5293,
26.4675

■ 16.5225, 18.4479,
26.7349

■ 18.7633, 20.5641,
27.0252

■ 21.3052, 22.8851,
27.3393

Harmonies

Analogous

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



6.2779, 8.6514, 21.9645



7.9956, 8.6514, 25.2932



10.0713, 8.6514, 23.1402

Triad

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



7.9956, 8.6514, 25.2932



12.1735, 8.6514, 5.2929



5.4070, 8.6514, 4.5552

Complementary

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



7.9956, 8.6514, 25.2932



11.6658, 7.7721, 0.8857

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.



6.6157, 8.6514, 2.5954



7.9956, 8.6514, 25.2932



10.5331, 8.6514, 2.8836

Square

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



7.9956, 8.6514, 25.2932



12.7015, 8.6514, 10.0923



8.4545, 8.6514, 2.1391



4.9444, 8.6514, 8.7780

Rectangle

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



7.9956, 8.6514, 25.2932



11.3525, 8.6514, 19.2245



8.4545, 8.6514, 2.1391



5.7288, 8.6514, 3.6881

Sweetspot

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



7.9959, 8.6517, 25.2934



28.8844, 32.2867, 47.0928



9.6777, 18.4128, 6.1309



6.1881, 6.9592, 10.5234



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



7.9959, 8.6517, 25.2934



13.9387, 14.9395, 44.5321



4.8107, 2.2812, 24.2317



5.0200, 5.3830, 6.3803



7.3448, 7.9599, 23.1950



0.0628, 0.0810, 0.1588

Inverse Universe

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



12.2018, 6.0918, 9.5498



21.4291, 10.7059, 16.4206



17.1501, 18.7408, 2.7138



5.1567, 5.0981, 5.9138



11.1941, 5.5878, 8.7924



0.0815, 0.0400, 0.0957

Previews

White Background



This preview shows how the XYZ color 7.9956, 8.6514, 25.2932 looks on a white 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

Black Background



This preview shows how the XYZ color 7.9956, 8.6514, 25.2932 looks on a black 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

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

XYZ 7.9956, 8.6514, 25.2932

Background



This preview shows how black text looks on a background with the XYZ color 7.9956, 8.6514, 25.2932.



This preview shows how white text looks on a background with the XYZ color 7.9956, 8.6514,

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

7.9956, 8.6514, 25.2932

Protanopia

9.2260, 8.6351, 23.3708

Deuteranopia

8.9572, 8.7856, 25.6498



Tritanopia

6.0793, 8.5551, 13.1353

Trichromacy



Original Color

7.9956, 8.6514, 25.2932

Protanomaly

8.3415, 8.3869, 24.1009

Deuteranomaly

8.4154, 8.6223, 25.6468

Tritanomaly

6.6368, 8.5046, 16.9145

Monochromacy



Original Color

7.9956, 8.6514, 25.2932

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

5.4208, 6.2015, 11.2672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9956, 8.6514, 25.2932 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(0, 87, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 138)  
}
```

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(0, 87, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 138) }
```

Border

The CSS property to change the border of an element to XYZ 7.9956, 8.6514, 25.2932 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(0, 87, 138) }
```


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

```
.border{ border-color:rgb(0, 87, 138) }
```

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

Here you see how a box with a 4 pixel rgb(0, 87, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 87, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 87, 138)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.9956, 8.6514, 25.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 138) }
```

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

```
.background{ background-color: rgb(0, 87,  
138) }
```

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