

Converting Colors

XYZ(28.5758, 20.9297, 53.8024)

Have a look what the booklet for
XYZ(28.5758, 20.9297, 53.8024)
contains.

XYZ(28.5925, 20.9638, 53.5784)	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(28.5925, 20.9638,
53.5784)**

Conversions

Conversions Part 1

Format	Color
Hex	9D68C2
RGB	157, 104, 194
RGB Percent	62%, 41%, 76%
CMY	0.3843, 0.5921, 0.2392
CMYK	0.19, 0.46, 0.00, 0.24
HSL	275°, 42%, 58%
HSV	275°, 46%, 76%
XYZ	28.5925, 20.9638, 53.5784
YIQ	130.1070, 2.6980, 39.2260

Conversions

Conversions Part 2

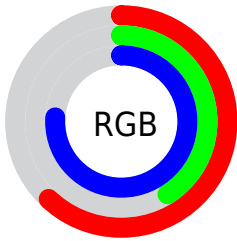
Format	Color
R _Y B	157, 104, 194
Decimal	10315970
CIE Lab	52.91, 38.00, -39.09
CIE LCh	53, 54.512, 314.191
Yxy	20.9638, 0.2772, 0.2033
Android (android.graphics.Color)	4288506050 (0xFF9D68C2)
YUV	130.1070, 31.4992, 23.5852
Hunter-Lab	45.7862, 31.3434, -37.3299

Details

The XYZ color **28.5925, 20.9638, 53.5784** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **32.7757, 45.2463, 20.1036**, and the grayscale version is **21.1481, 22.2494, 24.2296**.

A 20% lighter version of the original color is **56.7416, 44.8881, 96.9404**, and **11.6933, 7.5094, 25.6441** is the 20% darker color. If you saturate the color by 10%, you get **25.3542, 16.7218, 52.9306**, and if you desaturate by 10%, it is **32.3831, 26.1582, 54.3816**.

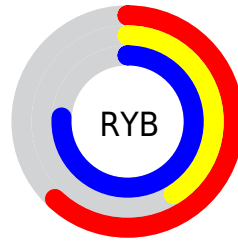
Distribution



Red (62%)

Green (41%)

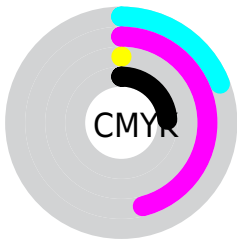
Blue (76%)



Red (62%)

Yellow (41%)

Blue (76%)

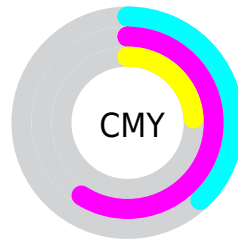


Cyan (19%)

Magenta (46%)

Yellow (0%)

Black (24%)



Cyan (38%)

Magenta (59%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5925, 20.9638, 53.5784 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 28.5925, 20.9638, 53.5784 by changing the saturation by 10% instead.

■ 28.5925, 20.9638,
53.5784

■ 28.5925, 20.9638,
53.5784

287.3164,
257.0861, 417.6293

■ 18.9155, 13.0975,
37.8738

■ 56.8311, 45.0273,
96.9051

■ 11.7129, 7.4958,
25.5837

■ 76.1234, 61.9933,
125.3643

■ 6.6193, 3.7740,
16.2895

■ 99.3514, 82.7613,
158.9121

■ 3.2694, 1.5480,
9.5727

■ 126.8807,
107.7158, 197.9671

■ 1.2978, 0.3221,
5.0147

159.0764,
137.2412, 242.9477

■ 0.1815, 0.0000,
2.1970

196.3041,

■ 0.0000, 0.0000,

171.7217, 294.2726

0.6726

238.9289,
211.5419, 352.3603

■ 0.0000, 0.0000,
0.0000

■ 28.5925, 20.9638,
53.5784

■ 28.5925, 20.9638,
53.5784

■ 25.3542, 16.7218,
52.9306

■ 32.3831, 26.1582,
54.3816

■ 22.6327, 13.3662,
52.4264

■ 36.7538, 32.3599,
55.3483

■ 20.3917, 10.8264,
52.0543

■ 41.7332, 39.6226,
56.4877

■ 18.5880, 9.0193,
51.8005

■ 47.3471, 47.9954,
57.8079

■ 17.1664, 7.8376,
51.6474

■ 53.6197, 57.5242,
59.3165

■ 16.7089, 7.4889,
51.6042

■ 60.5739, 68.2523,
61.0207

■ 68.2316, 80.2207,
62.9273

■ 75.2576, 90.7569,
64.5907

■ 77.7413, 92.0373,
64.7069

Harmonies

Analogous

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



22.7377, 20.9638, 68.8446



28.5925, 20.9638, 53.5784



32.4548, 20.9638, 32.5003

Triad

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



28.5925, 20.9638, 53.5784



23.0662, 20.9638, 3.9773



11.0698, 20.9638, 31.4272

Complementary

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



28.5925, 20.9638, 53.5784



32.7757, 45.2463, 20.1036

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.



11.1241, 20.9638, 15.2917



28.5925, 20.9638, 53.5784



17.3552, 20.9638, 3.9060

Square

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



28.5925, 20.9638, 53.5784



28.8722, 20.9638, 7.1830



13.2150, 20.9638, 6.8965



13.0490, 20.9638, 52.4775

Rectangle

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



28.5925, 20.9638, 53.5784



32.9916, 20.9638, 20.6062



13.2150, 20.9638, 6.8965



10.8646, 20.9638, 25.1998

Sweetspot

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



28.5933, 20.9646, 53.5789



77.7156, 74.9010, 102.8311



25.0461, 26.0365, 54.7448



16.5509, 15.7103, 22.4100



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.



28.5933, 20.9646, 53.5789



45.6680, 29.9558, 95.8449



36.1152, 24.9373, 49.6439



10.0840, 10.0344, 12.6902



11.0805, 4.9727, 33.9324



0.5555, 0.2544, 1.4697

Inverse Universe

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



32.0069, 23.2939, 28.0095



53.1810, 35.0375, 41.5936



27.8983, 42.6859, 21.9534



10.2410, 10.1450, 11.3598



15.6122, 7.9346, 5.8700



0.7088, 0.3565, 0.4338

Previews

White Background



This preview shows how the XYZ color 28.5925, 20.9638, 53.5784 looks on a white background.

Color Contrast Check

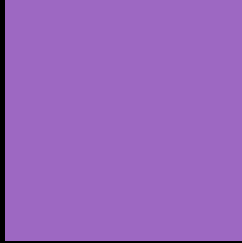
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5925, 20.9638, 53.5784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

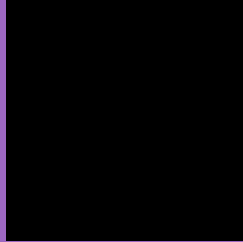
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5925, 20.9638, 53.5784

Background



This preview shows how black text looks on a background with the XYZ color 28.5925, 20.9638, 53.5784.



This preview shows how white text looks on a background with the XYZ color 28.5925, 20.9638,

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

28.5925, 20.9638, 53.5784

Protanopia

23.3078, 21.3424, 65.1784

Deuteranopia

21.7921, 21.2361, 51.6656



Tritanopia

22.3472, 20.8632, 23.2712

Trichromacy



Original Color

28.5925, 20.9638, 53.5784

Protanomaly

24.3202, 20.7078, 60.4728

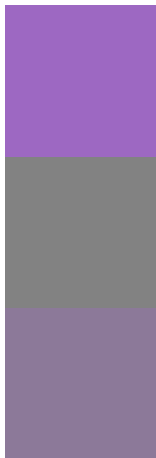
Deuteranomaly

23.4902, 20.6404, 52.0361

Tritanomaly

24.2625, 20.7857, 32.4390

Monochromacy



Original Color

28.5925, 20.9638, 53.5784

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.4024, 21.5501, 33.0631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5925, 20.9638, 53.5784 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(157, 104, 194)` looks like.

```
.text, #text, p{  
    color:rgb(157, 104, 194)  
}
```

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(157, 104, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 104, 194) }
```

Border

The CSS property to change the border of an element to XYZ 28.5925, 20.9638, 53.5784 is called "border". The border property can be set on classes, ids or directly on the HTML element.

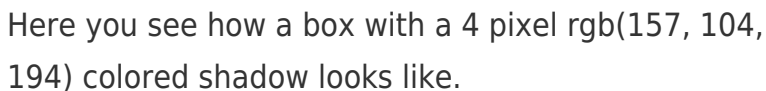
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 104, 194) }
```


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

```
.border{ border-color:rgb(157, 104, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 104, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 104, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 104, 194); box-shadow:4px 4px 4px 4px rgb(157, 104, 194) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5925, 20.9638, 53.5784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 104, 194) }
```

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

```
.background{ background-color: rgb(157,  
104, 194) }
```

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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