

Converting Colors

XYZ(10.8017, 8.8761, 20.5220)

Have a look what the booklet for
XYZ(10.8017, 8.8761, 20.5220)
contains.

XYZ(10.8338, 8.8925, 20.5475)	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(10.8338, 8.8925,
20.5475)**

Conversions

Conversions Part 1

Format	Color
Hex	5E4B7D
RGB	94, 75, 125
RGB Percent	37%, 29%, 49%
CMY	0.6314, 0.7059, 0.5098
CMYK	0.25, 0.40, 0.00, 0.51
HSL	263°, 25%, 39%
HSV	263°, 40%, 49%
XYZ	10.8338, 8.8925, 20.5475
YIQ	86.3810, -4.7260, 19.5780

Conversions

Conversions Part 2

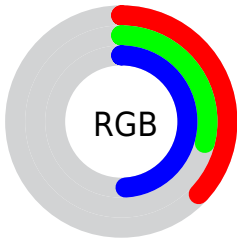
Format	Color
RYB	94, 75, 125
Decimal	6179709
CIELab	35.78, 19.25, -25.45
CIElCh	36, 31.911, 307.112
Yxy	8.8925, 0.2690, 0.2208
Android (android.graphics.Color)	4284369789 (0xFF5E4B7D)
YUV	86.3810, 19.0392, 6.6819
Hunter-Lab	29.8203, 12.6641, -19.9792

Details

The XYZ color **10.8338, 8.8925, 20.5475** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **14.5478, 18.2397, 9.4108**, and the grayscale version is **8.8881, 9.3510, 10.1832**.

A 20% lighter version of the original color is **26.9206, 23.6494, 45.2654**, and **2.9212, 2.0826, 7.0855** is the 20% darker color. If you saturate the color by 10%, you get **9.3126, 6.9711, 20.2570**, and if you desaturate by 10%, it is **12.6020, 11.1889, 20.8977**.

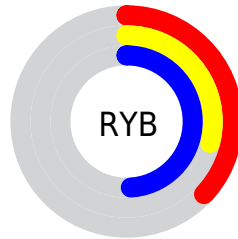
Distribution



Red (37%)

Green (29%)

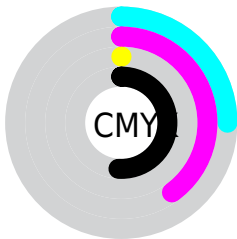
Blue (49%)



Red (37%)

Yellow (29%)

Blue (49%)

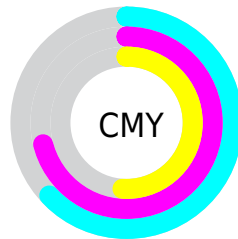


Cyan (25%)

Magenta (40%)

Yellow (0%)

Black (51%)



Cyan (63%)

Magenta (71%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8338, 8.8925, 20.5475 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 10.8338, 8.8925, 20.5475 by changing the saturation by 10% instead.

■ 10.8338, 8.8925,
20.5475

■ 10.8338, 8.8925,
20.5475

190.4557,
182.5739, 267.5654

■ 6.0217, 4.6711,
12.6056

■ 26.9881, 23.6904,
45.2042

■ 2.8990, 2.0556,
7.0300

■ 39.0610, 35.0358,
62.7561

■ 1.1006, 0.6395,
3.4022

■ 54.2848, 49.5245,
84.3484

■ 0.0256, 0.0000,
1.3035

■ 73.0249, 67.5412,
110.3997

■ 0.0000, 0.0000,
0.0646

■ 95.6467, 89.4700,
141.3285

■ 0.0000, 0.0000,
0.0000

122.5156,

115.6955, 177.5534

153.9967,
146.6020, 219.4929

■ 10.8338, 8.8925,
20.5475

■ 10.8338, 8.8925,
20.5475

■ 9.3126, 6.9711,
20.2570

■ 12.6020, 11.1889,
20.8977

■ 8.0255, 5.4030,
20.0221

■ 14.6276, 13.8785,
21.3101

■ 6.9593, 4.1654,
19.8394

■ 16.9214, 16.9795,
21.7878

■ 6.0993, 3.2328,
19.7048

■ 19.4933, 20.5086,
22.3334

■ 5.4286, 2.5753,
19.6132

■ 22.3527, 24.4815,
22.9495

■ 4.8972, 2.0970,
19.5489

■ 25.5085, 28.9133,
23.6386

■ 4.8971, 2.0969,
19.5489

■ 28.9691, 33.8182,
24.4030

■ 32.7429, 39.2098,
25.2447

■ 36.8377, 45.1012,
26.1661

Harmonies

Analogous

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



8.9089, 8.8925, 24.0729



10.8338, 8.8925, 20.5475



12.2515, 8.8925, 14.3084

Triad

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



10.8338, 8.8925, 20.5475



9.9420, 8.8925, 2.9210



5.3407, 8.8925, 11.0257

Complementary

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



10.8338, 8.8925, 20.5475



14.5478, 18.2397, 9.4108

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.



5.5326, 8.8925, 6.1794



10.8338, 8.8925, 20.5475



8.0111, 8.8925, 2.6016

Square

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



10.8338, 8.8925, 20.5475



11.6855, 8.8925, 4.6715



6.4478, 8.8925, 3.5382



5.8779, 8.8925, 17.3959

Rectangle

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



10.8338, 8.8925, 20.5475



12.6147, 8.8925, 10.2151



6.4478, 8.8925, 3.5382



5.3235, 8.8925, 9.1686

Sweetspot

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



10.8341, 8.8929, 20.5477



29.3172, 29.0667, 38.8096



11.8266, 13.4229, 21.3698



6.5730, 6.4819, 8.8078



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.8341, 8.8929, 20.5477



16.8884, 12.7470, 36.3147



13.7346, 10.3881, 20.6834



4.2513, 4.2852, 5.4163



5.1036, 2.1847, 20.4027



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.5754, 10.4331, 14.9344



22.6467, 15.9887, 24.2401



12.0547, 16.9544, 9.2942



4.4310, 4.3856, 5.0742



10.2402, 5.1158, 7.8547



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.8338, 8.8925, 20.5475 looks on a white background.

Color Contrast Check

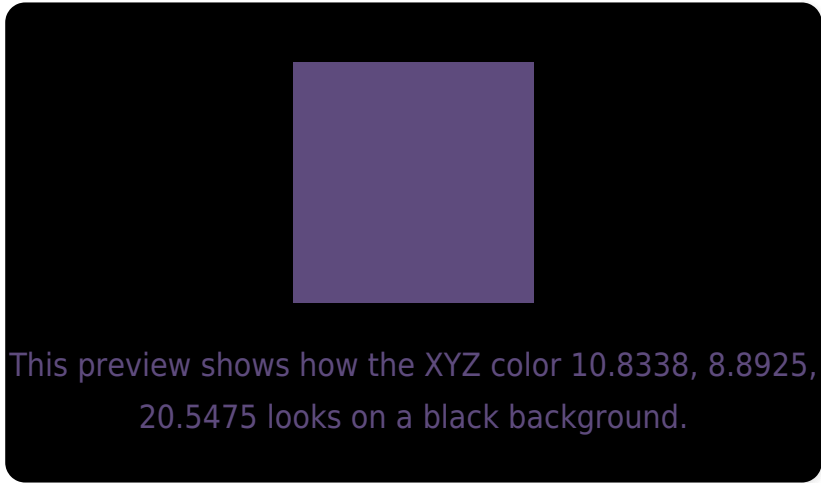
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

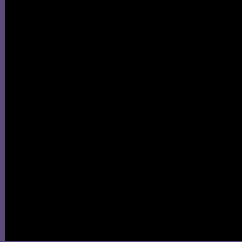
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8338, 8.8925, 20.5475

Background



This preview shows how black text looks on a background with the XYZ color 10.8338, 8.8925, 20.5475.



This preview shows how white text looks on a background with the XYZ color 10.8338, 8.8925,

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

10.8338, 8.8925, 20.5475

Protanopia

9.5049, 9.0107, 23.0681

Deuteranopia

9.1294, 8.9997, 19.9948



Tritanopia

8.8269, 8.9340, 10.7104

Trichromacy



Original Color

10.8338, 8.8925, 20.5475

Protanomaly

9.8116, 8.8588, 21.9617

Deuteranomaly

9.6411, 8.9179, 20.2820

Tritanomaly

9.4834, 8.8703, 13.7827

Monochromacy



Original Color

10.8338, 8.8925, 20.5475

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.4374, 9.0785, 13.3115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8338, 8.8925, 20.5475 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(94, 75, 125) looks like.

```
.text, #text, p{  
    color:rgb(94, 75, 125)  
}
```

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(94, 75, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 75, 125) }
```

Border

The CSS property to change the border of an element to XYZ 10.8338, 8.8925, 20.5475 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(94, 75, 125) }
```


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

```
.border{ border-color:rgb(94, 75, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 75, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 75, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 75, 125);  
box-shadow:4px 4px 4px 4px rgb(94, 75,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8338, 8.8925, 20.5475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 75, 125) }
```

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

```
.background{ background-color: rgb(94, 75,  
125) }
```

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