

Converting Colors

XYZ(12.2655, 12.0109, 25.3388)

Have a look what the booklet for
XYZ(12.2655, 12.0109, 25.3388)
contains.

XYZ(12.2655, 12.0109, 25.3388)	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(12.2655, 12.0109,
25.3388)**

Conversions

Conversions Part 1

Format	Color
Hex	536089
RGB	83, 96, 137
RGB Percent	33%, 38%, 54%
CMY	0.6745, 0.6235, 0.4627
CMYK	0.39, 0.30, 0.00, 0.46
HSL	226°, 25%, 43%
HSV	226°, 39%, 54%
XYZ	12.2655, 12.0109, 25.3388
YIQ	96.7870, -20.9090, 9.9950

Conversions

Conversions Part 2

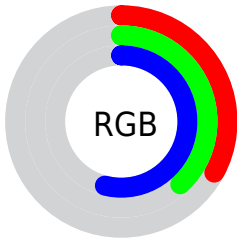
Format	Color
R_{YB}	83, 93, 137
Decimal	5464201
CIE _{Lab}	41.23, 5.97, -24.34
CIE _{LCh}	41, 25.063, 283.788
Yxy	12.0109, 0.2472, 0.2421
Android (android.graphics.Color)	4283654281 (0xFF536089)
YUV	96.7870, 19.8250, -12.0912
Hunter-Lab	34.6567, 2.5243, -19.0893

Details

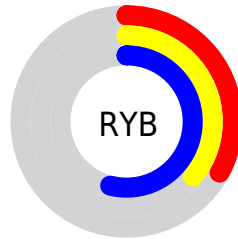
The XYZ color **12.2655, 12.0109, 25.3388** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.0858, 20.3585, 11.1077**, and the grayscale version is **11.2670, 11.8538, 12.9088**.

A 20% lighter version of the original color is **29.5144, 29.3877, 53.4070**, and **3.5206, 3.3094, 9.4700** is the 20% darker color. If you saturate the color by 10%, you get **10.2871, 9.6743, 24.9923**, and if you desaturate by 10%, it is **14.6092, 14.7227, 25.7389**.

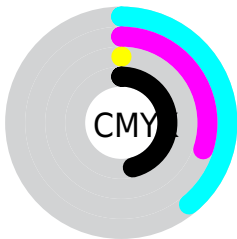
Distribution



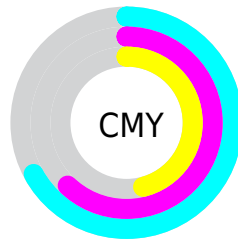
- Red (33%)
- Green (38%)
- Blue (54%)



- Red (33%)
- Yellow (36%)
- Blue (54%)



- Cyan (39%)
- Magenta (30%)
- Yellow (0%)
- Black (46%)



- Cyan (67%)
- Magenta (62%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2655, 12.0109, 25.3388 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 12.2655, 12.0109, 25.3388 by changing the saturation by 10% instead.

■ 12.2655, 12.0109,
25.3388

■ 12.2655, 12.0109,
25.3388

199.8894,
204.4774, 293.0225

■ 6.9982, 6.7511,
16.1083

■ 29.5904, 29.5150,
53.1772

■ 3.5073, 3.3069,
9.4457

■ 42.3788, 42.5280,
72.6223

■ 1.4274, 1.2940,
4.9322

■ 58.4049, 58.8943,
96.3093

■ 0.2756, 0.1365,
2.1495

■ 78.0342, 78.9981,
124.6568

■ 0.0000, 0.0000,
0.6450

■ 101.6319,
103.2240, 158.0833

■ 0.0000, 0.0000,
0.0000

129.5634,

131.9562, 197.0074

162.1941,
165.5792, 241.8477

■ 12.2655, 12.0109,
25.3388

■ 12.2655, 12.0109,
25.3388

■ 10.2871, 9.6743,
24.9923

■ 14.6092, 14.7227,
25.7389

■ 8.6537, 7.6946,
24.6962

■ 17.3346, 17.8244,
26.1940

■ 7.3449, 6.0536,
24.4485

■ 20.4586, 21.3313,
26.7062

■ 6.3374, 4.7311,
24.2463

■ 23.9965, 25.2576,
27.2776

■ 5.6048, 3.7044,
24.0868

■ 27.9630, 29.6170,
27.9100

■ 5.0858, 2.9321,
23.9651

■ 32.3720, 34.4221,
28.6051

■ 5.0588, 2.8929,
23.9589

■ 37.2368, 39.6854,
29.3646

■ 42.5701, 45.4186,
30.1901

■ 48.3841, 51.6332,
31.0832

Harmonies

Analogous

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



10.4719, 12.0109, 25.1696



12.2655, 12.0109, 25.3388



13.9970, 12.0109, 21.6709

Triad

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



12.2655, 12.0109, 25.3388



14.1165, 12.0109, 7.3232



8.3903, 12.0109, 10.4884

Complementary

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



12.2655, 12.0109, 25.3388



19.0858, 20.3585, 11.1077

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.



9.1736, 12.0109, 7.1226



12.2655, 12.0109, 25.3388



12.4152, 12.0109, 5.6532

Square

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



12.2655, 12.0109, 25.3388



15.1395, 12.0109, 10.8438



10.6067, 12.0109, 5.5911



8.3593, 12.0109, 15.5994

Rectangle

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



12.2655, 12.0109, 25.3388



14.8308, 12.0109, 17.9914



10.6067, 12.0109, 5.5911



8.5703, 12.0109, 9.1518

Sweetspot

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



12.2659, 12.0114, 25.3391



34.9685, 36.3348, 47.5534



16.1198, 21.1732, 22.1410



7.7059, 7.9958, 10.6435



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.



12.2659, 12.0114, 25.3391



18.8728, 17.8627, 44.8363



12.4857, 10.5071, 25.0372



4.8661, 5.0752, 6.3290



4.7205, 2.7113, 22.3202



0.0413, 0.0378, 0.1516

Inverse Universe

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



15.5215, 12.3498, 12.6325



25.6149, 18.8709, 18.4525



18.7474, 22.7641, 11.5899



5.0790, 5.0671, 5.5047



9.8695, 5.0579, 1.8171



0.0706, 0.0356, 0.0384

Previews

White Background



This preview shows how the XYZ color 12.2655, 12.0109, 25.3388 looks on a white background.

Color Contrast Check

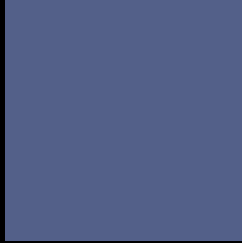
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.2655, 12.0109, 25.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

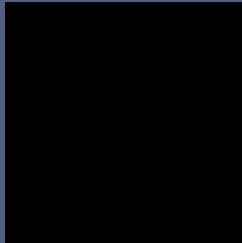
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

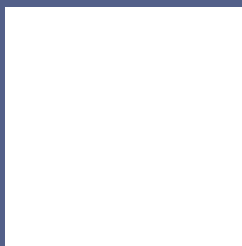
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2655, 12.0109, 25.3388

Background



This preview shows how black text looks on a background with the XYZ color 12.2655, 12.0109, 25.3388.



This preview shows how white text looks on a background with the XYZ color 12.2655, 12.0109,

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

12.2655, 12.0109, 25.3388

Protanopia

12.3544, 12.0567, 25.3429

Deuteranopia

12.2655, 12.0109, 25.3388



Tritanopia

10.3945, 11.9480, 16.2263

Trichromacy



Original Color

12.2655, 12.0109, 25.3388

Protanomaly

12.3544, 12.0567, 25.3429

Deuteranomaly

12.2655, 12.0109, 25.3388

Tritanomaly

11.0161, 11.9179, 19.1725

Monochromacy



Original Color

12.2655, 12.0109, 25.3388

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6130, 11.9946, 17.0323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2655, 12.0109, 25.3388 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(83, 96, 137) looks like.

```
.text, #text, p{  
    color:rgb(83, 96, 137)  
}
```

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(83, 96, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 96, 137) }
```

Border

The CSS property to change the border of an element to XYZ 12.2655, 12.0109, 25.3388 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(83, 96, 137) }
```


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

```
.border{ border-color:rgb(83, 96, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 96, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 96, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 96, 137);  
box-shadow:4px 4px 4px 4px rgb(83, 96,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2655, 12.0109, 25.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 96, 137) }
```

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

```
.background{ background-color: rgb(83, 96,  
137) }
```

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