

Converting Colors

XYZ(12.0438, 9.0082, 25.7340)

Have a look what the booklet for
XYZ(12.0438, 9.0082, 25.7340)
contains.

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Color

**XYZ(12.1325, 9.0526,
25.9188)**

Conversions

Conversions Part 1

Format	Color
Hex	63478C
RGB	99, 71, 140
RGB Percent	39%, 28%, 55%
CMY	0.6118, 0.7216, 0.4510
CMYK	0.29, 0.49, 0.00, 0.45
HSL	264°, 33%, 41%
HSV	264°, 49%, 55%
XYZ	12.1325, 9.0526, 25.9188
YIQ	87.2380, -5.4610, 27.3950

Conversions

Conversions Part 2

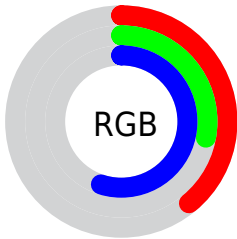
Format	Color
R_{YB}	99, 71, 140
Decimal	6506380
CIE _{Lab}	36.09, 27.25, -34.15
CIE _{LCh}	36, 43.686, 308.586
Yxy	9.0526, 0.2576, 0.1922
Android (android.graphics.Color)	4284696460 (0xFF63478C)
YUV	87.2380, 26.0117, 10.3153
Hunter-Lab	30.0875, 19.3252, -30.0139

Details

The XYZ color **12.1325, 9.0526, 25.9188** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **17.1976, 22.6560, 9.4282**, and the grayscale version is **9.0572, 9.5289, 10.3770**.

A 20% lighter version of the original color is **29.4030, 24.0034, 54.1223**, and **3.4392, 2.1130, 9.6778** is the 20% darker color. If you saturate the color by 10%, you get **10.4801, 7.0280, 25.6153**, and if you desaturate by 10%, it is **14.0844, 11.5365, 26.2955**.

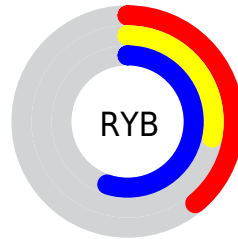
Distribution



Red (39%)

Green (28%)

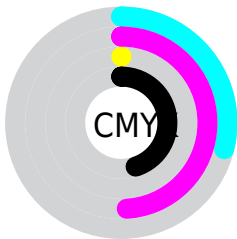
Blue (55%)



Red (39%)

Yellow (28%)

Blue (55%)

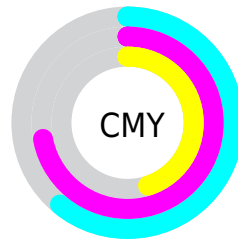


Cyan (29%)

Magenta (49%)

Yellow (0%)

Black (45%)



Cyan (61%)

Magenta (72%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1325, 9.0526, 25.9188 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 12.1325, 9.0526, 25.9188 by changing the saturation by 10% instead.

■ 12.1325, 9.0526,
25.9188

■ 12.1325, 9.0526,
25.9188

199.0326,
183.7698, 295.9760

■ 6.9068, 4.7755,
16.5377

■ 29.3510, 23.9976,
54.1264

■ 3.4497, 2.1162,
9.7470

■ 42.0745, 35.4343,
73.7900

■ 1.3958, 0.6737,
5.1281

■ 58.0279, 50.0263,
97.7181

■ 0.2532, 0.0000,
2.2626

■ 77.5768, 68.1580,
126.3293

■ 0.0000, 0.0000,
0.7101

■ 101.0863, 90.2138,
160.0422

■ 0.0000, 0.0000,
0.0000

128.9218,

116.5781, 199.2752

161.4488,
147.6353, 244.4470

■ 12.1325, 9.0526,
25.9188

■ 12.1325, 9.0526,
25.9188

■ 10.4801, 7.0280,
25.6153

■ 14.0844, 11.5365,
26.2955

■ 9.1091, 5.4316,
25.3794

■ 16.3503, 14.5058,
26.7492

■ 8.0007, 4.2300,
25.2059

■ 18.9451, 17.9861,
27.2842

■ 7.1330, 3.3840,
25.0883

■ 21.8824, 22.0006,
27.9043

■ 6.4553, 2.7971,
25.0108

■ 25.1747, 26.5711,
28.6130

6.4104, 2.7579,
25.0055

28.8341, 31.7183,
29.4136

32.8721, 37.4617,
30.3094

37.2996, 43.8199,
31.3033

42.1270, 50.8107,
32.3982

Harmonies

Analogous

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



9.3761, 9.0526, 32.0194



12.1325, 9.0526, 25.9188



14.1786, 9.0526, 16.0967

Triad

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



12.1325, 9.0526, 25.9188



10.5714, 9.0526, 1.6142



4.5320, 9.0526, 12.1642

Complementary

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



12.1325, 9.0526, 25.9188



17.1976, 22.6560, 9.4282

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.



4.7241, 9.0526, 5.4824



12.1325, 9.0526, 25.9188



7.8759, 9.0526, 1.3778

Square

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



12.1325, 9.0526, 25.9188



13.1579, 9.0526, 3.3317



5.8363, 9.0526, 2.3462



5.2449, 9.0526, 21.8260

Rectangle

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



12.1325, 9.0526, 25.9188



14.6657, 9.0526, 10.2159



5.8363, 9.0526, 2.3462



4.4964, 9.0526, 9.5061

Sweetspot

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



12.1329, 9.0529, 25.9190



35.3825, 34.4040, 48.5187



13.1708, 14.9101, 26.9949



7.9360, 7.6319, 11.1343



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.1329, 9.0529, 25.9190



18.2240, 12.0888, 45.1158



16.6757, 11.3949, 26.1316



4.9543, 4.9849, 6.3069



5.7172, 2.4615, 22.2195



0.0538, 0.0245, 0.1483

Inverse Universe

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



15.9933, 11.2520, 16.6581



26.0978, 16.5845, 25.7571



13.6494, 20.8268, 9.2621



5.1494, 5.0952, 5.8750



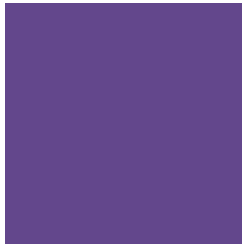
11.0134, 5.5155, 7.8411



0.0804, 0.0396, 0.0904

Previews

White Background



This preview shows how the XYZ color 12.1325, 9.0526, 25.9188 looks on a white background.

Color Contrast Check

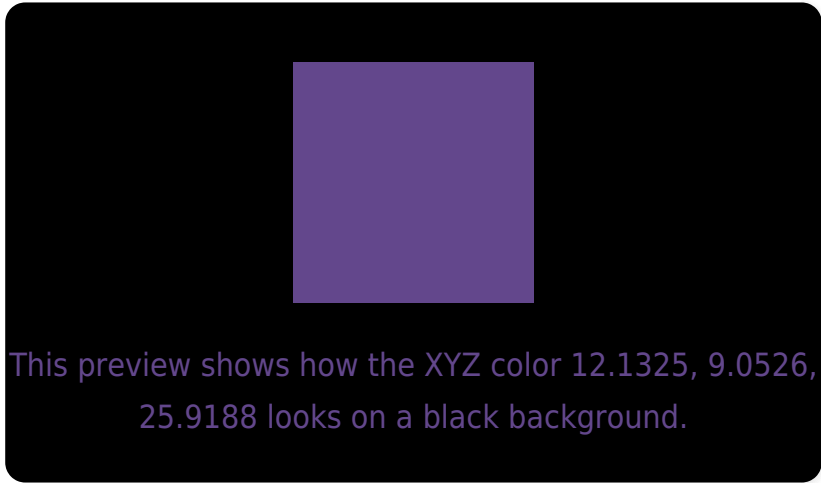
Large Text (above 18pt) WCAG AA ✓ Pass

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

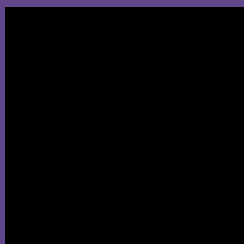
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1325, 9.0526, 25.9188

Background



This preview shows how black text looks on a background with the XYZ color 12.1325, 9.0526, 25.9188.



This preview shows how white text looks on a background with the XYZ color 12.1325, 9.0526,

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

12.1325, 9.0526, 25.9188

Protanopia

10.1474, 9.1778, 30.5148

Deuteranopia

9.2852, 9.0874, 24.9316



Tritanopia

9.0585, 9.0485, 10.9420

Trichromacy



Original Color

12.1325, 9.0526, 25.9188

Protanomaly

10.5882, 9.0006, 28.7830

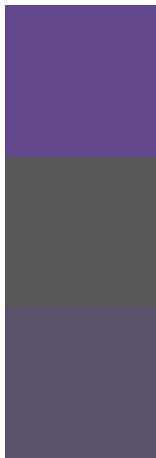
Deuteranomaly

9.9819, 8.8744, 25.2316

Tritanomaly

10.0170, 9.0018, 15.3969

Monochromacy



Original Color

12.1325, 9.0526, 25.9188

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.8583, 9.1496, 14.8821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1325, 9.0526, 25.9188 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(99, 71, 140)` looks like.

```
.text, #text, p{  
    color:rgb(99, 71, 140)  
}
```

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(99, 71, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 71, 140) }
```

Border

The CSS property to change the border of an element to XYZ 12.1325, 9.0526, 25.9188 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(99, 71, 140) }
```


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

```
.border{ border-color:rgb(99, 71, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 71, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 71, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 71, 140);  
box-shadow:4px 4px 4px 4px rgb(99, 71,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1325, 9.0526, 25.9188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 71, 140) }
```

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

```
.background{ background-color: rgb(99, 71,  
140) }
```

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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