

Converting Colors

XYZ(12.1014, 13.2293, 25.0826)

Have a look what the booklet for
XYZ(12.1014, 13.2293, 25.0826)
contains.

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Color

**XYZ(12.0940, 13.2203,
25.2069)**

Conversions

Conversions Part 1

Format	Color
Hex	476988
RGB	71, 105, 136
RGB Percent	28%, 41%, 53%
CMY	0.7216, 0.5882, 0.4667
CMYK	0.48, 0.23, 0.00, 0.47
HSL	209°, 31%, 41%
HSV	209°, 48%, 53%
XYZ	12.0940, 13.2203, 25.2069
YIQ	98.3680, -30.2150, 2.4330

Conversions

Conversions Part 2

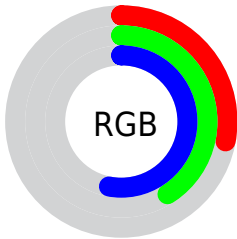
Format	Color
R _Y B	71, 93, 136
Decimal	4680072
CIE Lab	43.09, -3.23, -20.92
CIE LCh	43, 21.167, 261.232
Yxy	13.2203, 0.2394, 0.2617
Android (android.graphics.Color)	4282870152 (0xFF476988)
YUV	98.3680, 18.5526, -24.0017
Hunter-Lab	36.3597, -4.2567, -15.6518

Details

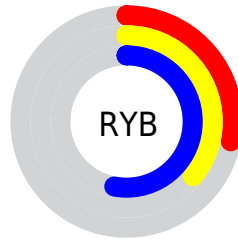
The XYZ color **12.0940, 13.2203, 25.2069** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.0423, 15.1922, 8.0485**, and the grayscale version is **11.6620, 12.2694, 13.3614**.

A 20% lighter version of the original color is **29.2422, 31.6620, 52.7143**, and **3.4239, 3.8172, 9.3604** is the 20% darker color. If you saturate the color by 10%, you get **10.5704, 11.4915, 24.9538**, and if you desaturate by 10%, it is **13.8921, 15.1660, 25.4879**.

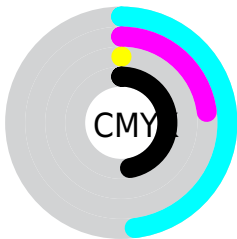
Distribution



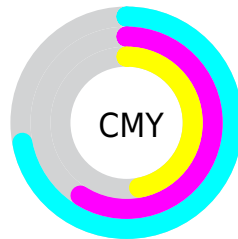
- Red (28%)
- Green (41%)
- Blue (53%)



- Red (28%)
- Yellow (36%)
- Blue (53%)



- Cyan (48%)
- Magenta (23%)
- Yellow (0%)
- Black (47%)



- Cyan (72%)
- Magenta (59%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0940, 13.2203, 25.2069 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 12.0940, 13.2203, 25.2069 by changing the saturation by 10% instead.

■ 12.0940, 13.2203,
25.2069

■ 12.0940, 13.2203,
25.2069

198.7838,
212.3248, 292.3473

■ 6.8804, 7.5804,
16.0108

■ 29.2816, 31.6990,
52.9610

■ 3.4331, 3.8277,
9.3774

■ 41.9862, 45.3066,
72.3560

■ 1.3867, 1.5776,
4.8880

■ 57.9186, 62.3389,
95.9879

■ 0.2467, 0.3425,
2.1241

■ 77.4441, 83.1803,
124.2750

■ 0.0000, 0.0000,
0.6301

■ 100.9280,
108.2152, 157.6360

■ 0.0000, 0.0000,
0.0000

128.7357,

137.8280, 196.4893

161.2325,
172.4030, 241.2536

■ 12.0940, 13.2203,
25.2069

■ 12.0940, 13.2203,
25.2069

■ 10.5704, 11.4915,
24.9538

■ 13.8921, 15.1660,
25.4879

■ 9.3039, 9.9681,
24.7265

■ 15.9782, 17.3363,
25.7969

■ 8.2768, 8.6396,
24.5242

■ 18.3664, 19.7403,
26.1350

■ 7.4682, 7.4934,
24.3455

■ 21.0694, 22.3861,
26.5033

■ 6.8360, 6.5059,
24.1883

■ 24.0991, 25.2813,
26.9024

■ 6.7061, 6.3018,
24.1557

■ 27.4669, 28.4331,
27.3333

■ 31.1834, 31.8485,
27.7966

■ 35.2590, 35.5342,
28.2932

■ 39.7033, 39.4965,
28.8238

Harmonies

Analogous

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



10.7042, 13.2203, 22.5842



12.0940, 13.2203, 25.2069



13.7345, 13.2203, 24.4815

Triad

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



12.0940, 13.2203, 25.2069



15.7176, 13.2203, 11.3839



10.2778, 13.2203, 9.4759

Complementary

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



12.0940, 13.2203, 25.2069



16.0423, 15.1922, 8.0485

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.



11.4648, 13.2203, 7.5468



12.0940, 13.2203, 25.2069



14.6309, 13.2203, 8.4714

Square

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



12.0940, 13.2203, 25.2069



15.9228, 13.2203, 15.8060



13.0491, 13.2203, 7.2237



9.7167, 13.2203, 13.0699

Rectangle

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



12.0940, 13.2203, 25.2069



14.7455, 13.2203, 22.2510



13.0491, 13.2203, 7.2237



10.6117, 13.2203, 8.6467

Sweetspot

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



12.0944, 13.2208, 25.2072



33.9646, 36.3656, 46.2775



13.7684, 19.8943, 15.5124



7.6620, 8.2211, 10.6893



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.



12.0944, 13.2208, 25.2072



18.5197, 20.1246, 43.9567



9.4363, 7.9046, 24.3212



4.9769, 5.2968, 6.3659



6.3564, 5.9832, 22.8655



0.0569, 0.0691, 0.1568

Inverse Universe

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



14.9567, 10.7610, 14.6539



24.3583, 15.9079, 22.2500



19.7930, 22.6936, 9.2987



5.1350, 5.0894, 5.7992



10.6952, 5.3882, 6.1654



0.0785, 0.0388, 0.0800

Previews

White Background



This preview shows how the XYZ color 12.0940, 13.2203, 25.2069 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 12.0940, 13.2203, 25.2069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

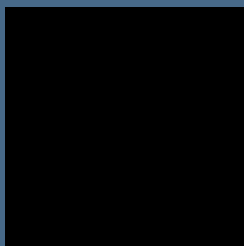
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

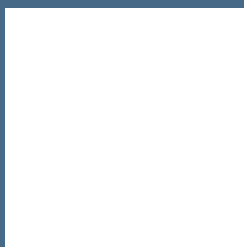
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0940, 13.2203, 25.2069

Background



This preview shows how black text looks on a background with the XYZ color 12.0940, 13.2203, 25.2069.

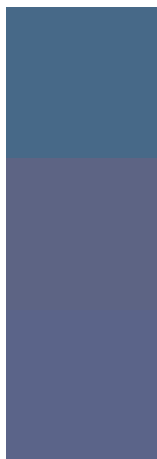


This preview shows how white text looks on a background with the XYZ color 12.0940, 13.2203,

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

12.0940, 13.2203, 25.2069

Protanopia

13.2362, 13.1074, 23.6622

Deuteranopia

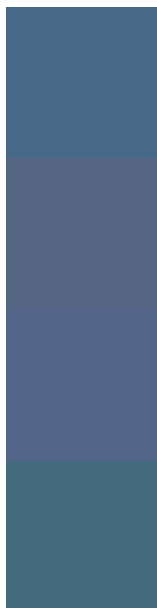
13.3869, 13.1446, 25.4985



Tritanopia

10.7534, 13.1333, 18.7978

Trichromacy



Original Color

12.0940, 13.2203, 25.2069

Protanomaly

12.7313, 13.1275, 24.0531

Deuteranomaly

12.9229, 13.1937, 25.5324

Tritanomaly

11.2105, 13.1639, 21.0188

Monochromacy



Original Color

12.0940, 13.2203, 25.2069

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.6028, 12.5519, 17.1405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0940, 13.2203, 25.2069 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(71, 105, 136)` looks like.

```
.text, #text, p{  
    color:rgb(71, 105, 136)  
}
```

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(71, 105, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 105, 136) }
```

Border

The CSS property to change the border of an element to XYZ 12.0940, 13.2203, 25.2069 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(71, 105, 136) }
```


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

```
.border{ border-color:rgb(71, 105, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 105, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 105, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 105, 136); box-shadow:4px 4px 4px 4px rgb(71, 105, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0940, 13.2203, 25.2069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 105, 136) }
```

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

```
.background{ background-color: rgb(71, 105,  
136) }
```

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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