

Converting Colors

XYZ(12.0137, 13.2109, 16.4969)

Have a look what the booklet for
XYZ(12.0137, 13.2109, 16.4969)
contains.

XYZ(12.0250, 13.2289, 16.3876)	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(12.0250, 13.2289,
16.3876)**

Conversions

Conversions Part 1

Format	Color
Hex	5B686D
RGB	91, 104, 109
RGB Percent	36%, 41%, 43%
CMY	0.6431, 0.5921, 0.5725
CMYK	0.17, 0.05, 0.00, 0.57
HSL	197°, 9%, 39%
HSV	197°, 17%, 43%
XYZ	12.0250, 13.2289, 16.3876
YIQ	100.6830, -9.3530, -1.2010

Conversions

Conversions Part 2

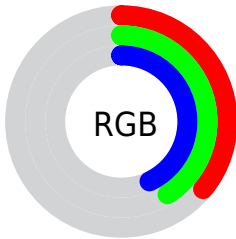
Format	Color
R_{YB}	91, 99, 109
Decimal	5990509
CIE _{Lab}	43.11, -3.76, -4.48
CIE _{LCh}	43, 5.848, 229.975
Yxy	13.2289, 0.2888, 0.3177
Android (android.graphics.Color)	4284180589 (0xFF5B686D)
YUV	100.6830, 4.1003, -8.4920
Hunter-Lab	36.3716, -4.6354, -1.2537

Details

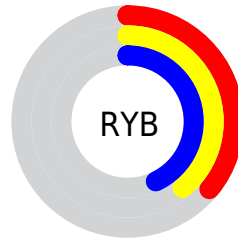
The XYZ color **12.0250, 13.2289, 16.3876** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3779, 12.3722, 11.6334**, and the grayscale version is **12.2798, 12.9193, 14.0691**.

A 20% lighter version of the original color is **29.0510, 31.6435, 37.8344**, and **3.4148, 3.8319, 5.1171** is the 20% darker color. If you saturate the color by 10%, you get **10.7285, 12.1166, 16.2415**, and if you desaturate by 10%, it is **13.4894, 14.4446, 16.5453**.

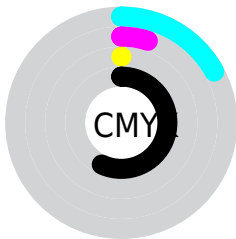
Distribution



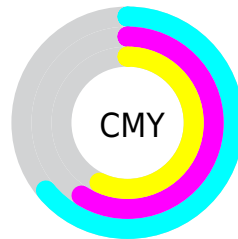
- Red (36%)
- Green (41%)
- Blue (43%)



- Red (36%)
- Yellow (39%)
- Blue (43%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (57%)



- Cyan (64%)
- Magenta (59%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0250, 13.2289, 16.3876 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 12.0250, 13.2289, 16.3876 by changing the saturation by 10% instead.

■ 12.0250, 13.2289,
16.3876

■ 12.0250, 13.2289,
16.3876

198.3373,
212.3795, 243.5414

■ 6.8330, 7.5864,
9.6415

■ 29.1571, 31.7144,
38.0459

■ 3.4033, 3.8314,
5.0595

■ 41.8279, 45.3262,
53.7952

■ 1.3704, 1.5797,
2.2228

■ 57.7224, 62.3631,
73.3827

■ 0.2350, 0.3439,
0.6875

■ 77.2059, 83.2096,
97.2269

■ 0.0000, 0.0000,
0.0000

100.6438,
108.2501, 125.7463

128.4014,

137.8690, 159.3595

160.8441,
172.4507, 198.4850

■ 12.0250, 13.2289,
16.3876

■ 12.0250, 13.2289,
16.3876

■ 10.7285, 12.1166,
16.2415

■ 13.4894, 14.4446,
16.5453

■ 9.5918, 11.1025,
16.1056

■ 15.1268, 15.7656,
16.7140

■ 8.6080, 10.1831,
15.9800

■ 16.9438, 17.1957,
16.8942

■ 7.7693, 9.3542,
15.8642

■ 18.9460, 18.7381,
17.0864

■ 7.0669, 8.6112,
15.7578

■ 21.1390, 20.3956,
17.2908

■ 6.4914, 7.9489,
15.6603

■ 23.5280, 22.1713,
17.5076

■ 6.0316, 7.3614,
15.5712

■ 26.1181, 24.0678,
17.7371

■ 5.6611, 6.8350,
15.4891

■ 28.9142, 26.0879,
17.9797

■ 5.5371, 6.6576,
15.4614

■ 31.9208, 28.2340,
18.2355

Harmonies

Analogous

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



11.7773, 13.2289, 15.2678



12.0250, 13.2289, 16.3876



12.4235, 13.2289, 16.9865

Triad

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



12.0250, 13.2289, 16.3876



13.4457, 13.2289, 14.8400



12.2802, 13.2289, 12.1969

Complementary

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



12.0250, 13.2289, 16.3876



12.3779, 12.3722, 11.6334

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.



12.7250, 13.2289, 12.0975



12.0250, 13.2289, 16.3876



13.4051, 13.2289, 13.5734

Square

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



12.0250, 13.2289, 16.3876



13.2484, 13.2289, 16.0584



13.1388, 13.2289, 12.5873



11.9222, 13.2289, 12.8674

Rectangle

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



12.0250, 13.2289, 16.3876



12.7243, 13.2289, 16.9869



13.1388, 13.2289, 12.5873



12.4243, 13.2289, 12.0972

Sweetspot

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



12.0254, 13.2294, 16.3879



24.5390, 26.1789, 29.6669



11.8853, 14.0025, 13.0947



5.6763, 6.0642, 6.9001



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.0254, 13.2294, 16.3879



20.5592, 22.8621, 29.2365



11.1852, 11.5490, 16.1078



3.1143, 3.3569, 3.9187



6.4557, 7.7456, 18.0771



32.1381, 37.9547, 91.8583

Inverse Universe

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



12.5467, 11.7331, 14.7008



21.7015, 19.6562, 25.5237



13.2264, 14.0692, 11.9163



3.1835, 3.1503, 3.6965



9.0054, 4.4543, 8.9228



45.5046, 22.5438, 43.4555

Previews

White Background



This preview shows how the XYZ color 12.0250, 13.2289, 16.3876 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 12.0250, 13.2289, 16.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

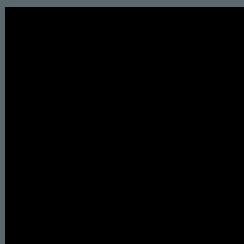
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

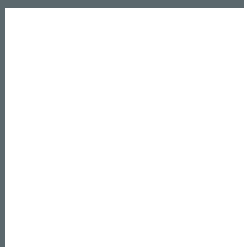
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0250, 13.2289, 16.3876

Background



This preview shows how black text looks on a background with the XYZ color 12.0250, 13.2289, 16.3876.



This preview shows how white text looks on a background with the XYZ color 12.0250, 13.2289,

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

12.0250, 13.2289, 16.3876

Protanopia

12.7870, 13.1937, 15.7826

Deuteranopia

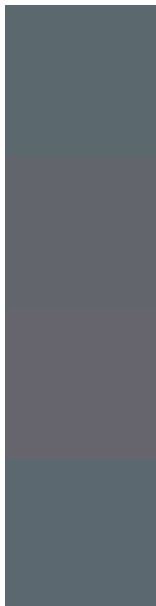
13.4607, 13.2376, 16.5975



Tritanopia

12.2886, 13.3458, 17.2576

Trichromacy



Original Color

12.0250, 13.2289, 16.3876

Protanomaly

12.4951, 13.1821, 16.0732

Deuteranomaly

12.9476, 13.2579, 16.6285

Tritanomaly

12.2332, 13.3236, 16.9659

Monochromacy



Original Color

12.0250, 13.2289, 16.3876

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1798, 13.0436, 14.9724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0250, 13.2289, 16.3876 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(91, 104, 109) looks like.

```
.text, #text, p{  
    color:rgb(91, 104, 109)  
}
```

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(91, 104, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 104, 109) }
```

Border

The CSS property to change the border of an element to XYZ 12.0250, 13.2289, 16.3876 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(91, 104, 109) }
```


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

```
.border{ border-color:rgb(91, 104, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 104, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 104, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 104, 109);  
box-shadow:4px 4px 4px 4px rgb(91, 104,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0250, 13.2289, 16.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 104, 109) }
```

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

```
.background{ background-color: rgb(91, 104,  
109) }
```

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