

Converting Colors

XYZ(29.7360, 24.1823, 9.4580)

Have a look what the booklet for
XYZ(29.7360, 24.1823, 9.4580)
contains.

XYZ(29.7256, 24.1178, 9.3918)	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(29.7256, 24.1178,
9.3918)**

Conversions

Conversions Part 1

Format	Color
Hex	C37249
RGB	195, 114, 73
RGB Percent	76%, 45%, 29%
CMY	0.2353, 0.5529, 0.7137
CMYK	0.00, 0.42, 0.63, 0.24
HSL	20°, 50%, 53%
HSV	20°, 63%, 76%
XYZ	29.7256, 24.1178, 9.3918
YIQ	133.5450, 61.4370, 4.4210

Conversions

Conversions Part 2

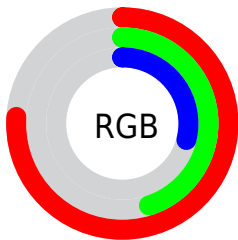
Format	Color
RYB	195, 135, 73
Decimal	12808777
CIELab	56.21, 28.16, 36.12
CIELCh	56, 45.804, 52.062
Yxy	24.1178, 0.4701, 0.3814
Android (android.graphics.Color)	4290998857 (0xFFC37249)
YUV	133.5450, -29.8487, 53.8960
Hunter-Lab	49.1099, 22.1016, 23.0383

Details

The XYZ color **29.7256, 24.1178, 9.3918** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **24.1528, 28.4661, 55.8510**, and the grayscale version is **22.5839, 23.7600, 25.8746**.

A 20% lighter version of the original color is **58.6339, 50.3275, 25.3627**, and **12.4047, 9.1781, 2.1547** is the 20% darker color. If you saturate the color by 10%, you get **27.8193, 21.1827, 6.0514**, and if you desaturate by 10%, it is **32.0424, 27.5498, 13.8693**.

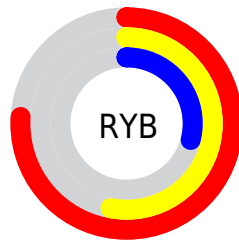
Distribution



Red (76%)

Green (45%)

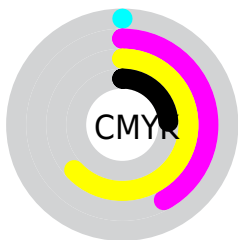
Blue (29%)



Red (76%)

Yellow (53%)

Blue (29%)

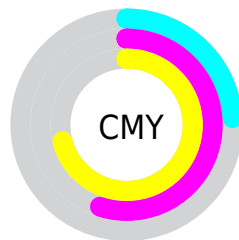


Cyan (0%)

Magenta (42%)

Yellow (63%)

Black (24%)



Cyan (24%)


Magenta (55%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7256, 24.1178, 9.3918 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 29.7256, 24.1178, 9.3918 by changing the saturation by 10% instead.


 29.7256, 24.1178,
9.3918


 29.7256, 24.1178,
9.3918

292.5561,
273.4155, 196.5988

 19.7774, 15.4210,
4.8973


 58.6176, 50.2224,
25.2348


 12.3407, 9.1154,
2.1295


 78.2921, 68.3989,
37.4203


 7.0500, 4.8165,
0.6332


 101.9394, 90.5043,
53.0066

 3.5400, 2.1400,
0.0000

 129.9250,
116.9227, 72.4123

 1.4453, 0.6870,
0.0000

 162.6141,
148.0386, 96.0558

 0.2882, 0.0000,
0.0000

200.3721,

 0.0000, 0.0000,

184.2365, 124.3557

0.0000

243.5643,
225.9006, 157.7305

■ 29.7256, 24.1178,
9.3918

■ 29.7256, 24.1178,
9.3918

■ 27.8193, 21.1827,
6.0514

■ 32.0424, 27.5498,
13.8693

■ 26.2934, 18.7157,
3.7402

■ 34.7934, 31.4982,
19.5755

■ 25.1158, 16.6901,
2.3313

■ 38.0020, 35.9856,
26.5942

■ 24.4271, 15.4450,
1.6937

■ 41.6895, 41.0323,
35.0013

■ 45.8758, 46.6574,
44.8670

■ 50.5796, 52.8791,
56.2566

■ 55.8185, 59.7147,
69.2314

■ 61.6093, 67.1807,
83.8494

■ 67.9680, 75.2932,
100.1656

Harmonies

Analogous

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



33.6406, 24.1178, 16.8081



29.7256, 24.1178, 9.3918



24.3495, 24.1178, 6.7429

Triad

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



29.7256, 24.1178, 9.3918



14.2894, 24.1178, 22.4573



26.9388, 24.1178, 63.3243

Complementary

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



29.7256, 24.1178, 9.3918



24.1528, 28.4661, 55.8510

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.



21.5538, 24.1178, 66.6998



29.7256, 24.1178, 9.3918



14.7646, 24.1178, 38.7215

Square

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



29.7256, 24.1178, 9.3918



15.8317, 24.1178, 12.1669



17.2469, 24.1178, 56.3956



31.8677, 24.1178, 48.4155

Rectangle

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



29.7256, 24.1178, 9.3918



20.8726, 24.1178, 6.8903



17.2469, 24.1178, 56.3956



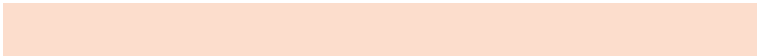
25.1040, 24.1178, 66.0277

Sweetspot

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



29.7262, 24.1190, 9.3922



77.0179, 76.6676, 68.1709



30.7487, 18.7115, 32.7087



16.4058, 16.1674, 13.8546



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.7262, 24.1190, 9.3922



48.7656, 36.2541, 9.1466



38.9733, 42.6134, 12.4746



10.3437, 10.6188, 10.5663



15.9465, 10.1787, 1.1242



0.7533, 0.5684, 0.0700

Inverse Universe

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



24.1528, 28.4661, 55.8510



37.8564, 44.4317, 99.0507



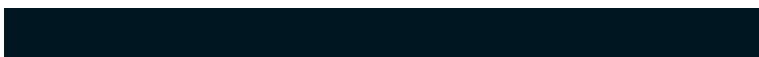
16.5418, 13.2441, 53.3140



10.0742, 10.8396, 12.8461



11.6239, 13.0043, 35.4541



0.5637, 0.6848, 1.5523

Previews

White Background



This preview shows how the XYZ color 29.7256, 24.1178, 9.3918 looks on a white 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

Black Background



This preview shows how the XYZ color 29.7256, 24.1178, 9.3918 looks on a black 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

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

XYZ 29.7256, 24.1178, 9.3918

Background



This preview shows how black text looks on a background with the XYZ color 29.7256, 24.1178, 9.3918.



This preview shows how white text looks on a background with the XYZ color 29.7256, 24.1178,

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

29.7256, 24.1178, 9.3918

Protanopia

22.3619, 24.2179, 11.2805

Deuteranopia

24.6816, 24.2497, 9.1741



Tritanopia

31.9682, 24.2274, 19.8211

Trichromacy



Original Color

29.7256, 24.1178, 9.3918

Protanomaly

24.4816, 23.7281, 10.4974

Deuteranomaly

26.4764, 24.2173, 9.2402

Tritanomaly

31.0594, 24.1788, 15.3419

Monochromacy



Original Color

29.7256, 24.1178, 9.3918

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.2243, 23.4165, 18.5723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7256, 24.1178, 9.3918 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(195, 114, 73)` looks like.

```
.text, #text, p{  
    color:rgb(195, 114, 73)  
}
```

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(195, 114, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 114, 73) }
```

Border

The CSS property to change the border of an element to XYZ 29.7256, 24.1178, 9.3918 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(195, 114, 73) }
```


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

```
.border{ border-color:rgb(195, 114, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 114, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 114, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 114, 73);  
box-shadow:4px 4px 4px 4px rgb(195, 114,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7256, 24.1178, 9.3918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 114, 73) }
```

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

```
.background{ background-color: rgb(195,  
114, 73) }
```

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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