

Converting Colors

XYZ(17.4255, 12.5671, 3.6733)

Have a look what the booklet for
XYZ(17.4255, 12.5671, 3.6733)
contains.

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Color

**XYZ(17.3639, 12.5383,
3.6954)**

Conversions

Conversions Part 1

Format	Color
Hex	A04A2A
RGB	160, 74, 42
RGB Percent	63%, 29%, 16%
CMY	0.3726, 0.7098, 0.8353
CMYK	0.00, 0.54, 0.74, 0.37
HSL	16°, 58%, 40%
HSV	16°, 74%, 63%
XYZ	17.3639, 12.5383, 3.6954
YIQ	96.0660, 61.5280, 8.2800

Conversions

Conversions Part 2

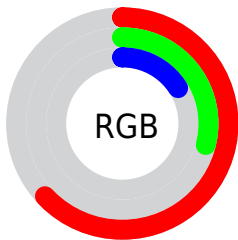
Format	Color
RYB	160, 86, 42
Decimal	10504746
CIELab	42.06, 33.45, 35.35
CIElCh	42, 48.669, 46.577
Yxy	12.5383, 0.5168, 0.3732
Android (android.graphics.Color)	4288694826 (0xFFA04A2A)
YUV	96.0660, -26.6545, 56.0701
Hunter-Lab	35.4095, 25.5653, 18.5990

Details

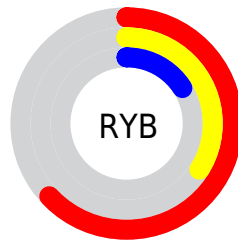
The XYZ color **17.3639, 12.5383, 3.6954** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.0185, 18.4673, 36.0305**, and the grayscale version is **11.1868, 11.7694, 12.8169**.

A 20% lighter version of the original color is **38.6520, 30.6041, 13.3212**, and **5.9411, 3.5788, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **16.4250, 11.0310, 2.2408**, and if you desaturate by 10%, it is **18.5620, 14.3813, 5.8006**.

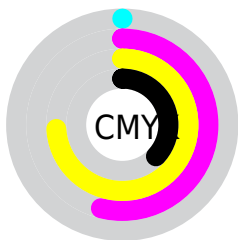
Distribution



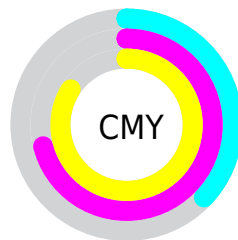
- Red (63%)
- Green (29%)
- Blue (16%)



- Red (63%)
- Yellow (34%)
- Blue (16%)



- Cyan (0%)
- Magenta (54%)
- Yellow (74%)
- Black (37%)



- Cyan (37%)
- Magenta (71%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3639, 12.5383, 3.6954 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 17.3639, 12.5383, 3.6954 by changing the saturation by 10% instead.

■ 17.3639, 12.5383,
3.6954

■ 17.3639, 12.5383,
3.6954

230.3764,
207.9371, 144.7771

■ 10.5912, 7.1114,
1.4598

■ 38.4890, 30.4718,
13.3009

■ 5.8579, 3.5319,
0.1877

■ 53.5722, 43.7472,
21.5079

■ 2.7987, 1.4153,
0.0000

■ 72.1562, 60.4075,
32.5425

■ 1.0482, 0.2280,
0.0000

■ 94.6064, 80.8372,
46.8231

■ 0.0000, 0.0000,
0.0000

■ 121.2881,
105.4206, 64.7683

■ 152.5668,

134.5421, 86.7967

188.8078,
168.5861, 113.3268

■ 17.3639, 12.5383,
3.6954

■ 17.3639, 12.5383,
3.6954

■ 16.4250, 11.0310,
2.2408

■ 18.5620, 14.3813,
5.8006

■ 15.7220, 9.8357,
1.3570

■ 20.0380, 16.5777,
8.6224

■ 15.3755, 9.2303,
0.9712

■ 21.8098, 19.1461,
12.2190

■ 23.8932, 22.1032,
16.6428

■ 26.3029, 25.4646,
21.9413

■ 29.0529, 29.2451,
28.1585

■ 32.1559, 33.4587,
35.3354

■ 35.6243, 38.1188,
43.5104

■ 39.4698, 43.2381,
52.7200

Harmonies

Analogous

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



19.9005, 12.5383, 8.7224



17.3639, 12.5383, 3.6954



13.6052, 12.5383, 1.9991

Triad

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



17.3639, 12.5383, 3.6954



6.3529, 12.5383, 9.5318



14.0131, 12.5383, 43.0118

Complementary

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



17.3639, 12.5383, 3.6954



15.0185, 18.4673, 36.0305

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.



10.3750, 12.5383, 43.6245



17.3639, 12.5383, 3.6954



6.4183, 12.5383, 20.1579

Square

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



17.3639, 12.5383, 3.6954



7.5471, 12.5383, 4.0294



7.7484, 12.5383, 33.8230



17.7141, 12.5383, 32.4234

Rectangle

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



17.3639, 12.5383, 3.6954



11.1385, 12.5383, 1.8866



7.7484, 12.5383, 33.8230



12.7316, 12.5383, 44.5263

Sweetspot

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



17.3642, 12.5390, 3.6956



48.3846, 47.1021, 41.2378



19.2566, 10.7021, 21.6573



10.3536, 9.9732, 8.4686



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.3642, 12.5390, 3.6956



29.0154, 18.6727, 2.9998



23.2297, 24.2700, 5.6508



6.7722, 6.9244, 6.9653



12.0098, 7.2553, 0.7674



0.2470, 0.1942, 0.0245

Inverse Universe

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



15.0185, 18.4673, 36.0305



24.3553, 29.6785, 64.8314



9.4611, 7.3525, 34.1780



6.6696, 7.2049, 8.4458



9.9000, 11.8915, 27.6807



0.2098, 0.2782, 0.5059

Previews

White Background



This preview shows how the XYZ color 17.3639, 12.5383, 3.6954 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 17.3639, 12.5383, 3.6954 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 17.3639, 12.5383, 3.6954

Background



This preview shows how black text looks on a background with the XYZ color 17.3639, 12.5383, 3.6954.



This preview shows how white text looks on a background with the XYZ color 17.3639, 12.5383,

3.6954.

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

17.3639, 12.5383, 3.6954

Protanopia

11.5633, 12.6596, 4.8517

Deuteranopia

12.8836, 12.6780, 3.5183



Tritanopia

18.3605, 12.5697, 8.1151

Trichromacy



Original Color

17.3639, 12.5383, 3.6954

Protanomaly

13.1563, 12.2766, 4.3655

Deuteranomaly

14.2556, 12.3661, 3.5550

Tritanomaly

17.8484, 12.4424, 6.1635

Monochromacy



Original Color

17.3639, 12.5383, 3.6954

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.4020, 11.4232, 8.3887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3639, 12.5383, 3.6954 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(160, 74, 42)` looks like.

```
.text, #text, p{  
    color:rgb(160, 74, 42)  
}
```

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(160, 74, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 74, 42) }
```

Border

The CSS property to change the border of an element to XYZ 17.3639, 12.5383, 3.6954 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(160, 74, 42) }
```


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

```
.border{ border-color:rgb(160, 74, 42) }
```

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

Here you see how a box with a 4 pixel rgb(160, 74, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 74, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 74, 42);  
box-shadow:4px 4px 4px 4px rgb(160, 74,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3639, 12.5383, 3.6954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 74, 42) }
```

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

```
.background{ background-color: rgb(160, 74,  
42) }
```

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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