

Converting Colors

XYZ(15.7212, 24.1900, 19.3934)

Have a look what the booklet for
XYZ(15.7212, 24.1900, 19.3934)
contains.

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Color

**XYZ(15.7346, 24.1953,
19.4637)**

Conversions

Conversions Part 1

Format	Color
Hex	399771
RGB	57, 151, 113
RGB Percent	22%, 59%, 44%
CMY	0.7765, 0.4078, 0.5569
CMYK	0.62, 0.00, 0.25, 0.41
HSL	156°, 45%, 41%
HSV	156°, 62%, 59%
XYZ	15.7346, 24.1953, 19.4637
YIQ	118.5620, -43.8260, -31.7460

Conversions

Conversions Part 2

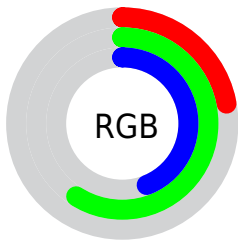
Format	Color
RYB	57, 116, 151
Decimal	3774321
CIELab	56.28, -37.02, 11.96
CIElCh	56, 38.906, 162.095
Yxy	24.1953, 0.2649, 0.4074
Android (android.graphics.Color)	4281964401 (0xFF399771)
YUV	118.5620, -2.7421, -53.9899
Hunter-Lab	49.1887, -28.9813, 10.9714

Details

The XYZ color **15.7346, 24.1953, 19.4637** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.2920, 10.3324, 11.9631**, and the grayscale version is **17.4152, 18.3221, 19.9528**.

A 20% lighter version of the original color is **35.6729, 50.3699, 43.4395**, and **5.4160, 9.3053, 6.5117** is the 20% darker color. If you saturate the color by 10%, you get **14.6663, 23.6836, 17.6799**, and if you desaturate by 10%, it is **17.0834, 24.8502, 21.3824**.

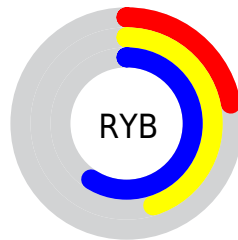
Distribution



Red (22%)

Green (59%)

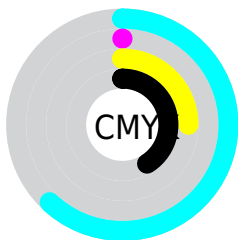
Blue (44%)



Red (22%)

Yellow (45%)

Blue (59%)

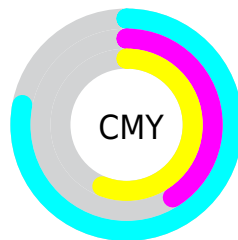


Cyan (62%)

Magenta (0%)

Yellow (25%)

Black (41%)



Cyan (78%)

Magenta (41%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7346, 24.1953, 19.4637 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 15.7346, 24.1953, 19.4637 by changing the saturation by 10% instead.

■ 15.7346, 24.1953,
19.4637

■ 15.7346, 24.1953,
19.4637

221.0718,
273.8064, 261.5043

■ 9.4262, 15.4786,
11.8256

■ 35.6980, 50.3487,
43.3633

■ 5.0795, 9.1559,
6.5040

■ 50.0838, 68.5542,
60.4618

■ 2.3292, 4.8430,
3.0802

■ 67.8926, 90.6913,
81.5510

■ 0.8096, 2.1555,
1.1357

■ 89.4900, 117.1446,
107.0493

■ 0.0000, 0.6955,
0.0000

■ 115.2413,
148.2983, 137.3752

■ 0.0000, 0.0000,
0.0000

145.5118,

184.5369, 172.9473

180.6668,
226.2448, 214.1842

■ 15.7346, 24.1953,
19.4637

■ 15.7346, 24.1953,
19.4637

■ 14.6663, 23.6836,
17.6799

■ 17.0834, 24.8502,
21.3824

■ 13.8526, 23.2999,
16.0259

■ 18.7317, 25.6561,
23.4375

■ 13.2659, 23.0306,
14.4984

■ 20.6991, 26.6238,
25.6329

■ 12.9107, 22.8715,
13.3975

■ 23.0031, 27.7622,
27.9713

■ 25.6595, 29.0794,
30.4558

■ 28.6835, 30.5832,
33.0891

■ 32.0891, 32.2807,
35.8738

■ 35.8896, 34.1788,
38.8125

■ 40.0977, 36.2840,
41.9078

Harmonies

Analogous

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



17.6917, 24.1953, 11.9499



15.7346, 24.1953, 19.4637



15.5597, 24.1953, 31.8597

Triad

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



15.7346, 24.1953, 19.4637



24.8496, 24.1953, 58.5836



30.0003, 24.1953, 13.0247

Complementary

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



15.7346, 24.1953, 19.4637



16.2920, 10.3324, 11.9631

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.



32.4912, 24.1953, 21.5057



15.7346, 24.1953, 19.4637



29.2690, 24.1953, 49.2216

Square

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



15.7346, 24.1953, 19.4637



20.4486, 24.1953, 57.4876



32.2074, 24.1953, 34.6816



25.7486, 24.1953, 9.1504

Rectangle

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



15.7346, 24.1953, 19.4637



16.4433, 24.1953, 41.7484



32.2074, 24.1953, 34.6816



31.0947, 24.1953, 15.2895

Sweetspot

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



15.7353, 24.1963, 19.4643



42.4937, 50.3605, 51.3414



16.6473, 24.9255, 7.8050



9.3852, 11.3111, 11.4068



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.7353, 24.1963, 19.4643



25.5920, 42.0940, 30.3741



17.1215, 22.8002, 32.7777



6.2788, 6.9842, 7.3915



10.9974, 19.4624, 11.4727



0.1824, 0.2981, 0.2661

Inverse Universe

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



16.2920, 10.3324, 11.9631



26.6980, 15.0827, 15.8653



15.3825, 10.6368, 5.1136



6.3071, 6.2620, 6.9974



11.5884, 5.8896, 4.3576



0.1906, 0.0950, 0.1563

Previews

White Background



This preview shows how the XYZ color 15.7346, 24.1953, 19.4637 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 15.7346, 24.1953, 19.4637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

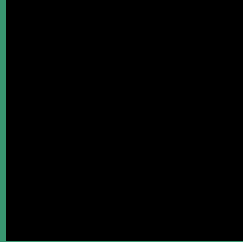
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7346, 24.1953, 19.4637

Background



This preview shows how black text looks on a background with the XYZ color 15.7346, 24.1953, 19.4637.



This preview shows how white text looks on a background with the XYZ color 15.7346, 24.1953,

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

15.7346, 24.1953, 19.4637

Protanopia

22.4026, 23.9098, 16.7989

Deuteranopia

24.2571, 23.7808, 20.4512



Tritanopia

18.9589, 24.1016, 35.5511

Trichromacy



Original Color

15.7346, 24.1953, 19.4637

Protanomaly

18.7669, 23.2836, 17.6924

Deuteranomaly

19.5693, 23.0038, 19.9318

Tritanomaly

17.5562, 23.9838, 28.9033

Monochromacy



Original Color

15.7346, 24.1953, 19.4637

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.1511, 20.0038, 19.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7346, 24.1953, 19.4637 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(57, 151, 113)` looks like.

```
.text, #text, p{  
    color:rgb(57, 151, 113)  
}
```

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(57, 151, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 151, 113) }
```

Border

The CSS property to change the border of an element to XYZ 15.7346, 24.1953, 19.4637 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(57, 151, 113) }
```


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

```
.border{ border-color:rgb(57, 151, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 151, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 151, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 151, 113);  
box-shadow:4px 4px 4px 4px rgb(57, 151,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7346, 24.1953, 19.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 151, 113) }
```

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

```
.background{ background-color: rgb(57, 151,  
113) }
```

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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