

Converting Colors

XYZ(16.6177, 10.3568, 2.4201)

Have a look what the booklet for
XYZ(16.6177, 10.3568, 2.4201)
contains.

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Color

**XYZ(16.5796, 10.3414,
2.4186)**

Conversions

Conversions Part 1

Format	Color
Hex	A3341F
RGB	163, 52, 31
RGB Percent	64%, 20%, 12%
CMY	0.3608, 0.7961, 0.8784
CMYK	0.00, 0.68, 0.81, 0.36
HSL	10°, 68%, 38%
HSV	10°, 81%, 64%
XYZ	16.5796, 10.3414, 2.4186
YIQ	82.7950, 72.8970, 17.0010

Conversions

Conversions Part 2

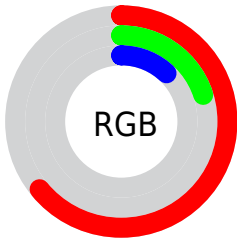
Format	Color
R_{YB}	163, 56, 31
Decimal	10695711
CIE _{Lab}	38.45, 44.68, 37.66
CIE _{LCh}	38, 58.432, 40.123
Yxy	10.3414, 0.5651, 0.3525
Android (android.graphics.Color)	4288885791 (0xFFA3341F)
YUV	82.7950, -25.5349, 70.3398
Hunter-Lab	32.1580, 35.7520, 18.0514

Details

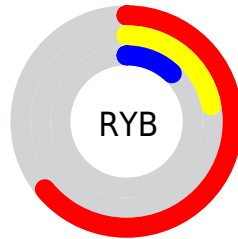
The XYZ color **16.5796, 10.3414, 2.4186** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.8481, 22.2800, 38.0627**, and the grayscale version is **8.2206, 8.6487, 9.4185**.

A 20% lighter version of the original color is **37.1316, 26.4863, 10.1765**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.8911, 9.2257, 1.3840**, and if you desaturate by 10%, it is **17.5549, 11.8571, 4.0847**.

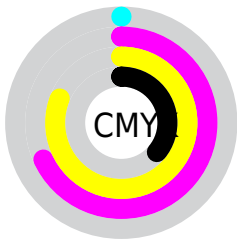
Distribution



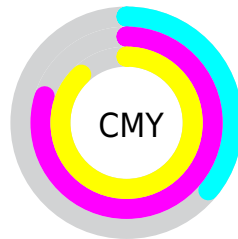
- Red (64%)
- Green (20%)
- Blue (12%)



- Red (64%)
- Yellow (22%)
- Blue (12%)



- Cyan (0%)
- Magenta (68%)
- Yellow (81%)
- Black (36%)



- Cyan (36%)
- Magenta (80%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5796, 10.3414, 2.4186 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 16.5796, 10.3414, 2.4186 by changing the saturation by 10% instead.

■ 16.5796, 10.3414,
2.4186

■ 16.5796, 10.3414,
2.4186

225.9417,
193.0916, 128.5713

■ 10.0287, 5.6259,
0.7965

■ 37.1509, 26.4357,
10.1565

■ 5.4804, 2.6190,
0.0000

■ 51.9020, 38.5833,
17.1190

■ 2.5694, 0.9362,
0.0000

■ 70.1172, 53.9770,
26.7019

■ 0.9304, 0.0000,
0.0000

■ 92.1618, 73.0013,
39.3237


■ 0.0000, 0.0000,
0.0000


■ 118.4012, 96.0405,
55.4030


■ 149.2007,


123.4790, 75.3584


 184.9258,
155.7013, 99.6083


 16.5796, 10.3414,
2.4186


 16.5796, 10.3414,
2.4186


 15.8911, 9.2257,
1.3840


 17.5549, 11.8571,
4.0847

 15.4722, 8.5226,
0.8295

 18.8446, 13.8047,
6.4626

 20.4738, 16.2149,
9.6210

 22.4649, 19.1149,
13.6205

 24.8381, 22.5301,
18.5156

■ 27.6122, 26.4837,
24.3562

■ 30.8048, 30.9979,
31.1885

■ 34.4324, 36.0933,
39.0559

■ 38.5105, 41.7897,
47.9988

Harmonies

Analogous

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



18.9726, 10.3414, 7.9539



16.5796, 10.3414, 2.4186



12.5426, 10.3414, 0.7928

Triad

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



16.5796, 10.3414, 2.4186



4.4153, 10.3414, 5.5174



11.1769, 10.3414, 47.2318

Complementary

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



16.5796, 10.3414, 2.4186



16.8481, 22.2800, 38.0627

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.



7.5384, 10.3414, 44.8659



16.5796, 10.3414, 2.4186



4.2285, 10.3414, 15.3748

Square

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



16.5796, 10.3414, 2.4186



5.8165, 10.3414, 1.6205



5.2163, 10.3414, 30.9716



15.3601, 10.3414, 36.2037

Rectangle

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



16.5796, 10.3414, 2.4186



9.8134, 10.3414, 0.5494



5.2163, 10.3414, 30.9716



9.8450, 10.3414, 48.0882

Sweetspot

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



16.5798, 10.3420, 2.4188



47.6470, 44.8658, 39.7994



20.5673, 10.7558, 27.0582



10.3226, 9.5368, 8.1417



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.5798, 10.3420, 2.4188



27.8115, 15.4113, 1.6912



21.6896, 20.5615, 4.1220



7.1606, 7.2596, 7.4039



12.0478, 6.6696, 0.6524



0.2775, 0.1888, 0.0218

Inverse Universe

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



16.8481, 22.2800, 38.0627



28.0351, 37.0090, 67.7220



9.8439, 8.2715, 35.7280



7.1797, 7.8184, 9.0338



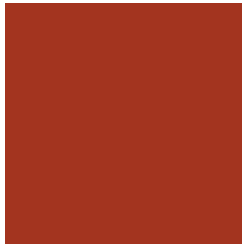
12.1245, 16.0283, 29.3845



0.2789, 0.3851, 0.6255

Previews

White Background



This preview shows how the XYZ color 16.5796, 10.3414, 2.4186 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



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 16.5796, 10.3414, 2.4186

Background



This preview shows how black text looks on a background with the XYZ color 16.5796, 10.3414, 2.4186.



This preview shows how white text looks on a background with the XYZ color 16.5796, 10.3414,

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

16.5796, 10.3414, 2.4186

Protanopia

9.7246, 10.6462, 3.7329

Deuteranopia

10.6047, 10.5117, 2.1319



Tritanopia

17.0703, 10.4217, 4.3607

Trichromacy



Original Color

16.5796, 10.3414, 2.4186

Protanomaly

11.3159, 9.7328, 3.1159

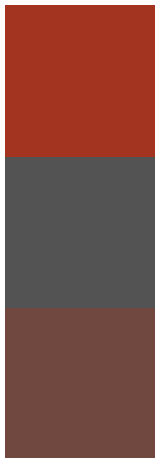
Deuteranomaly

12.1294, 9.8690, 2.1298

Tritanomaly

16.9483, 10.4420, 3.5051

Monochromacy



Original Color

16.5796, 10.3414, 2.4186

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.9249, 8.4496, 5.9583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5796, 10.3414, 2.4186 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(163, 52, 31)` looks like.

```
.text, #text, p{  
    color:rgb(163, 52, 31)  
}
```

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(163, 52, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 52, 31) }
```

Border

The CSS property to change the border of an element to XYZ 16.5796, 10.3414, 2.4186 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(163, 52, 31) }
```


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

```
.border{ border-color:rgb(163, 52, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 52, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 52, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 52, 31);  
box-shadow:4px 4px 4px 4px rgb(163, 52,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5796, 10.3414, 2.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 52, 31) }
```

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

```
.background{ background-color: rgb(163, 52,  
31) }
```

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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