

Converting Colors

XYZ(16.1168, 10.0698, 2.2245)

Have a look what the booklet for
XYZ(16.1168, 10.0698, 2.2245)
contains.

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Color

**XYZ(16.1035, 10.0334,
2.2503)**

Conversions

Conversions Part 1

Format	Color
Hex	A1331D
RGB	161, 51, 29
RGB Percent	63%, 20%, 11%
CMY	0.3686, 0.8000, 0.8863
CMYK	0.00, 0.68, 0.82, 0.37
HSL	10°, 69%, 37%
HSV	10°, 82%, 63%
XYZ	16.1035, 10.0334, 2.2503
YIQ	81.3820, 72.6220, 16.4780

Conversions

Conversions Part 2

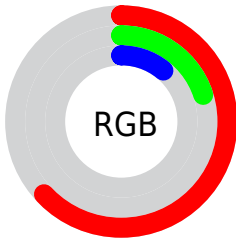
Format	Color
RYB	161, 55, 29
Decimal	10564381
CIELab	37.90, 44.33, 38.05
CIELCh	38, 58.423, 40.638
Yxy	10.0334, 0.5673, 0.3534
Android (android.graphics.Color)	4288754461 (0xFFA1331D)
YUV	81.3820, -25.8243, 69.8250
Hunter-Lab	31.6755, 35.3153, 17.9608

Details

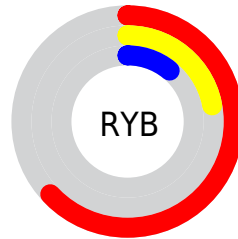
The XYZ color **16.1035, 10.0334, 2.2503** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.1713, 21.2976, 36.9764**, and the grayscale version is **7.9369, 8.3502, 9.0934**.

A 20% lighter version of the original color is **36.3445, 25.9382, 9.7476**, and **5.4795, 2.8248, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **15.4499, 8.9660, 1.2937**, and if you desaturate by 10%, it is **17.0307, 11.4819, 3.8114**.

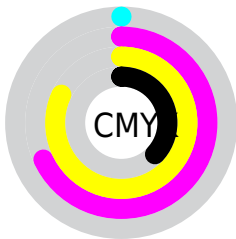
Distribution



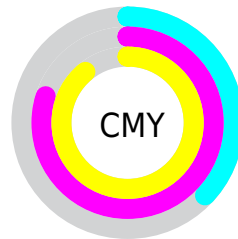
- Red (63%)
- Green (20%)
- Blue (11%)



- Red (63%)
- Yellow (22%)
- Blue (11%)



- Cyan (0%)
- Magenta (68%)
- Yellow (82%)
- Black (37%)





- Cyan (37%)
- Magenta (80%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1035, 10.0334, 2.2503 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 16.1035, 10.0334, 2.2503 by changing the saturation by 10% instead.


 16.1035, 10.0334,
2.2503


 16.1035, 10.0334,
2.2503


223.2101,
190.9103, 126.1498


 9.6887, 5.4211,
0.7032


 36.3338, 25.8583,
9.7145


 5.2537, 2.4964,
0.0000

 50.8800, 37.8397,
16.4914

 2.4332, 0.8748,
0.0000

 68.8675, 53.0463,
25.8564

 0.8617, 0.0000,
0.0000


 90.6614, 71.8624,
38.2279


 0.0000, 0.0000,
0.0000


 116.6273, 94.6724,
54.0244


 147.1305,


121.8609, 73.6645


 182.5363,
153.8120, 97.5668


 16.1035, 10.0334,
2.2503


 16.1035, 10.0334,
2.2503


 15.4499, 8.9660,
1.2937


 17.0307, 11.4819,
3.8114

 15.0861, 8.3536,
0.8173

 18.2585, 13.3420,
6.0562

 19.8109, 15.6429,
9.0522

 21.7095, 18.4106,
12.8586

 23.9737, 21.6691,
17.5287

■ 26.6219, 25.4409,
23.1113

■ 29.6707, 29.7467,
29.6513

■ 33.1360, 34.6065,
37.1910

■ 37.0330, 40.0389,
45.7699

Harmonies

Analogous

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



18.4981, 10.0334, 7.5456



16.1035, 10.0334, 2.2503



12.1259, 10.0334, 0.7152

Triad

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



16.1035, 10.0334, 2.2503



4.2321, 10.0334, 5.4187



10.9271, 10.0334, 46.2609

Complementary

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



16.1035, 10.0334, 2.2503



16.1713, 21.2976, 36.9764

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.



7.3447, 10.0334, 44.1701



16.1035, 10.0334, 2.2503



4.0695, 10.0334, 15.1865

Square

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



16.1035, 10.0334, 2.2503



5.5766, 10.0334, 1.5625



5.0528, 10.0334, 30.5866



15.0310, 10.0334, 35.2034

Rectangle

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



16.1035, 10.0334, 2.2503



9.4566, 10.0334, 0.4845



5.0528, 10.0334, 30.5866



9.6168, 10.0334, 47.1906

Sweetspot

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



16.1037, 10.0340, 2.2505



45.9464, 43.1038, 37.7182



19.7974, 10.3198, 25.3744



9.7356, 8.9674, 7.5533



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.



16.1037, 10.0340, 2.2505



27.0499, 14.9875, 1.5873



21.2809, 20.3883, 3.9762



7.1648, 7.2680, 7.4053



12.0703, 6.7145, 0.6598



0.2790, 0.1918, 0.0223

Inverse Universe

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



16.1713, 21.2976, 36.9764



26.8911, 35.2708, 65.7772



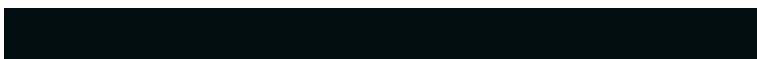
9.3223, 7.5996, 34.6934



7.1752, 7.8093, 9.0322



11.9896, 15.7586, 29.3396



0.2770, 0.3813, 0.6249

Previews

White Background



This preview shows how the XYZ color 16.1035, 10.0334, 2.2503 looks on a white background.

Color Contrast Check

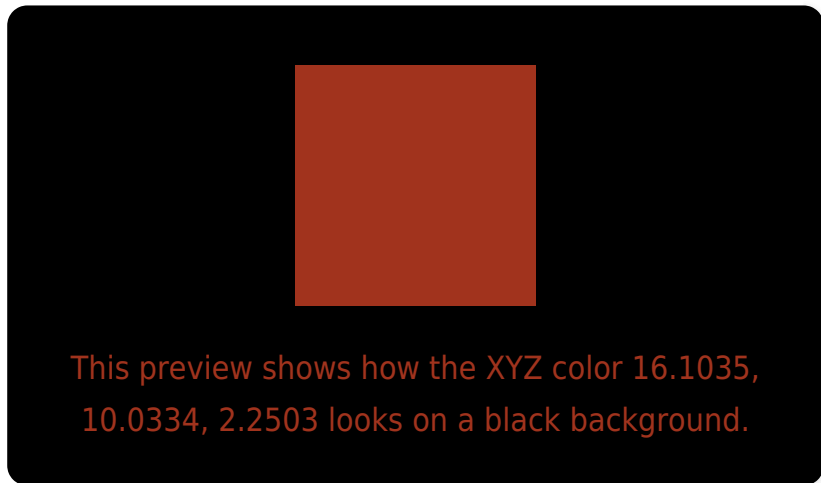
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1035, 10.0334, 2.2503

Background



This preview shows how black text looks on a background with the XYZ color 16.1035, 10.0334, 2.2503.



This preview shows how white text looks on a background with the XYZ color 16.1035, 10.0334,

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

16.1035, 10.0334, 2.2503

Protanopia

9.2947, 10.1749, 3.4815

Deuteranopia

10.3764, 10.2767, 2.0090



Tritanopia

16.5548, 10.0343, 4.1962

Trichromacy



Original Color

16.1035, 10.0334, 2.2503

Protanomaly

10.9289, 9.4338, 2.9140

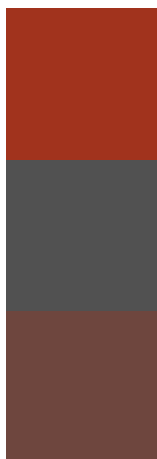
Deuteranomaly

11.8874, 9.6483, 1.9948

Tritanomaly

16.4346, 10.0524, 3.3596

Monochromacy



Original Color

16.1035, 10.0334, 2.2503

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.4901, 8.0431, 5.6097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1035, 10.0334, 2.2503 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(161, 51, 29)` looks like.

```
.text, #text, p{  
    color:rgb(161, 51, 29)  
}
```

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(161, 51, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 51, 29) }
```

Border

The CSS property to change the border of an element to XYZ 16.1035, 10.0334, 2.2503 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(161, 51, 29) }
```


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

```
.border{ border-color:rgb(161, 51, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 51, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 51, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 51, 29);  
box-shadow:4px 4px 4px 4px rgb(161, 51,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1035, 10.0334, 2.2503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 51, 29) }
```

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

```
.background{ background-color: rgb(161, 51,  
29) }
```

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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