

Converting Colors

XYZ(21.4144, 15.4536, 1.8542)

Have a look what the booklet for
XYZ(21.4144, 15.4536, 1.8542)
contains.

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Color

**XYZ(21.3025, 15.3498,
1.8400)**

Conversions

Conversions Part 1

Format	Color
Hex	B25100
RGB	178, 81, 0
RGB Percent	70%, 32%, 0%
CMY	0.3020, 0.6823, 1.0000
CMYK	0.00, 0.54, 1.00, 0.30
HSL	27°, 100%, 35%
HSV	27°, 100%, 70%
XYZ	21.3025, 15.3498, 1.8400
YIQ	100.7690, 83.8130, -4.6270

Conversions

Conversions Part 2

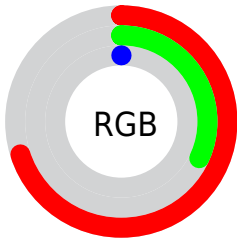
Format	Color
R _Y B	178, 149, 0
Decimal	11686144
CIE Lab	46.11, 36.00, 55.76
CIE LCh	46, 66.374, 57.152
Yxy	15.3498, 0.5534, 0.3988
Android (android.graphics.Color)	4289876224 (0xFFB25100)
YUV	100.7690, -49.6791, 67.7316
Hunter-Lab	39.1788, 28.4920, 24.6407

Details

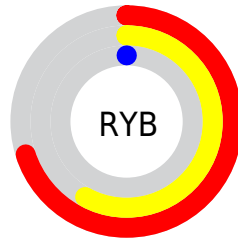
The XYZ color **21.3025, 15.3498, 1.8400** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.3101, 11.7629, 43.7408**, and the grayscale version is **12.4195, 13.0663, 14.2292**.

A 20% lighter version of the original color is **44.9759, 35.3436, 8.5892**, and **7.9612, 4.8315, 0.5130** is the 20% darker color. If you saturate the color by 10%, you get **21.3027, 15.3505, 1.8402**, and if you desaturate by 10%, it is **22.1835, 16.9398, 2.6643**.

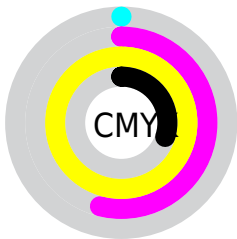
Distribution



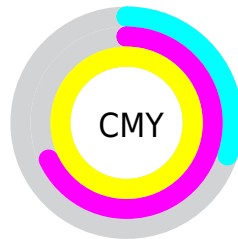
- Red (70%)
- Green (32%)
- Blue (0%)



- Red (70%)
- Yellow (58%)
- Blue (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (100%)
- Black (30%)





- Cyan (30%)
- Magenta (68%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3025, 15.3498, 1.8400 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 21.3025, 15.3498, 1.8400 by changing the saturation by 10% instead.


 21.3025, 15.3498,
1.8400


 21.3025, 15.3498,
1.8400


 251.5832,
225.4738, 119.8407


 13.4590, 9.0653,
0.4541


 45.0779, 35.4657,
8.5986


 7.8246, 4.7838,
0.0000

 61.7406, 50.0658,
14.8931


 4.0337, 2.1210,
0.0000

 82.0737, 68.2065,
23.6890

 1.7212, 0.6764,
0.0000

 106.4426, 90.2723,
35.4051


 0.4695, 0.0000,
0.0000


 135.2126,
116.6476, 50.4597


 0.0000, 0.0000,
0.0000


 168.7492,


147.7166, 69.2715


 207.4176,
183.8639, 92.2590


 21.3025, 15.3498,
1.8400


 21.3025, 15.3498,
1.8400


 21.3027, 15.3505,
1.8402

 22.1835, 16.9398,
2.6643

 23.2684, 18.7821,
4.0363

 24.5990, 20.9001,
6.1545

 26.1967, 23.3082,
9.1135

 28.0799, 26.0196,
12.9939

■ 30.2654, 29.0463,
17.8667

■ 32.7682, 32.3994,
23.7956

■ 35.6024, 36.0895,
30.8391

■ 38.7811, 40.1266,
39.0515

Harmonies

Analogous

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



26.5319, 15.3498, 6.1641



21.3025, 15.3498, 1.8400



15.1353, 15.3498, 0.9233

Triad

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



21.3025, 15.3498, 1.8400



6.2136, 15.3498, 15.2164



20.1232, 15.3498, 62.4214

Complementary

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



21.3025, 15.3498, 1.8400



12.3101, 11.7629, 43.7408

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.



14.0570, 15.3498, 70.9335



21.3025, 15.3498, 1.8400



6.9073, 15.3498, 35.2860

Square

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



21.3025, 15.3498, 1.8400



7.2400, 15.3498, 4.8885



9.4596, 15.3498, 58.7780



25.7368, 15.3498, 39.8726

Rectangle

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



21.3025, 15.3498, 1.8400



11.6176, 15.3498, 1.1330



9.4596, 15.3498, 58.7780



18.0295, 15.3498, 67.4688

Sweetspot

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



21.3028, 15.3507, 1.8403



59.1728, 58.4234, 42.5436



20.5599, 10.3449, 12.4438



12.6774, 12.3687, 8.3888



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.3028, 15.3507, 1.8403



38.4081, 27.3905, 3.2626



32.5664, 37.8779, 5.5948



8.8043, 9.1211, 8.9490



15.3038, 11.1062, 1.3371



0.5401, 0.4665, 0.0616

Inverse Universe

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



12.3101, 11.7629, 43.7408



22.0908, 20.8655, 79.2443



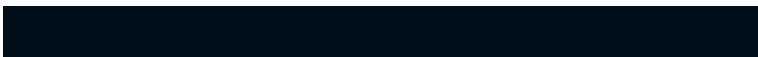
8.1325, 3.4076, 42.3482



8.4128, 8.9718, 10.7947



8.8716, 8.5435, 31.3185



0.3365, 0.3836, 1.0045

Previews

White Background



This preview shows how the XYZ color 21.3025, 15.3498, 1.8400 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 21.3025, 15.3498, 1.8400

Background



This preview shows how black text looks on a background with the XYZ color 21.3025, 15.3498, 1.8400.



This preview shows how white text looks on a background with the XYZ color 21.3025, 15.3498,

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

21.3025, 15.3498, 1.8400

Protanopia

13.9816, 15.4744, 2.7402

Deuteranopia

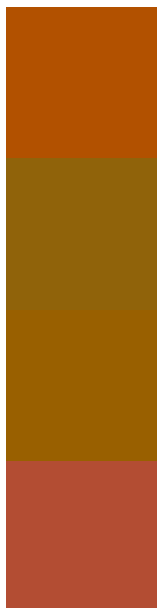
15.5978, 15.3896, 2.1484



Tritanopia

22.7864, 15.3146, 9.3445

Trichromacy



Original Color

21.3025, 15.3498, 1.8400

Protanomaly

16.0182, 14.8749, 2.3140

Deuteranomaly

17.3197, 15.1380, 2.0091

Tritanomaly

21.8418, 15.1305, 4.9013

Monochromacy



Original Color

21.3025, 15.3498, 1.8400

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.9814, 13.0427, 6.6311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3025, 15.3498, 1.8400 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(178, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 81, 0)  
}
```

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(178, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 81, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.3025, 15.3498, 1.8400 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(178, 81, 0) }
```


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

```
.border{ border-color:rgb(178, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.3025, 15.3498, 1.8400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 81, 0) }
```

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

```
.background{ background-color: rgb(178, 81,  
0) }
```

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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