

Converting Colors

XYZ(32.0474, 21.1175, 2.8024)

Have a look what the booklet for
XYZ(32.0474, 21.1175, 2.8024)
contains.

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Color

**XYZ(32.0860, 21.1236,
2.8016)**

Conversions

Conversions Part 1

Format	Color
Hex	DA530E
RGB	218, 83, 14
RGB Percent	85%, 33%, 5%
CMY	0.1451, 0.6745, 0.9451
CMYK	0.00, 0.62, 0.94, 0.15
HSL	20°, 88%, 45%
HSV	20°, 94%, 85%
XYZ	32.0860, 21.1236, 2.8016
YIQ	115.4990, 102.6090, 7.1610

Conversions

Conversions Part 2

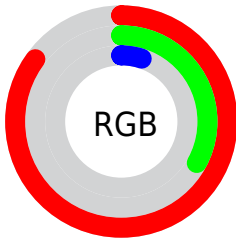
Format	Color
RYB	218, 118, 14
Decimal	14308110
CIELab	53.08, 50.37, 60.07
CIELCh	53, 78.390, 50.019
Yxy	21.1236, 0.5728, 0.3771
Android (android.graphics.Color)	4292498190 (0xFFDA530E)
YUV	115.4990, -50.0390, 89.8934
Hunter-Lab	45.9604, 44.1841, 28.5582

Details

The XYZ color **32.0860, 21.1236, 2.8016** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **23.5826, 26.6485, 70.2301**, and the grayscale version is **16.5742, 17.4374, 18.9893**.

A 20% lighter version of the original color is **51.2598, 39.5810, 10.5684**, and **13.8652, 7.6638, 0.7485** is the 20% darker color. If you saturate the color by 10%, you get **31.3449, 19.7685, 2.1636**, and if you desaturate by 10%, it is **33.5436, 23.6613, 4.4525**.

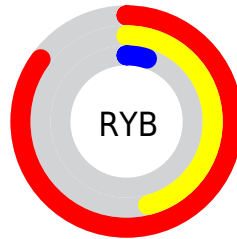
Distribution



Red (85%)

Green (33%)

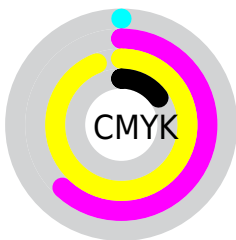
Blue (5%)



Red (85%)

Yellow (46%)

Blue (5%)

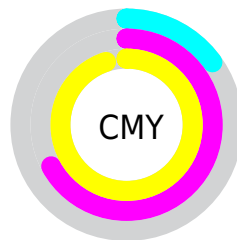


Cyan (0%)

Magenta (62%)

Yellow (94%)

Black (15%)



Cyan (15%)


Magenta (67%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0860, 21.1236, 2.8016 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 32.0860, 21.1236, 2.8016 by changing the saturation by 10% instead.

 32.0860, 21.1236,
2.8016


 32.0860, 21.1236,
2.8016


303.2492,
257.9346, 133.7922


 21.5831, 13.2144,
0.9942


 62.3102, 45.2931,
11.1348


 13.6657, 7.5763,
0.0000


 82.7621, 62.3223,
18.4978

 7.9687, 3.8251,
0.0000


 107.2611, 83.1601,
28.5497

 4.1266, 1.5762,
0.0000

 136.1725,
108.1912, 41.7090

 1.7740, 0.3415,
0.0000

 169.8616,
137.7997, 58.3944


 0.5019, 0.0000,
0.0000


 208.6939,


 0.0000, 0.0000,


172.3702, 79.0244


0.0000

 253.0346,
212.2871, 104.0175


 32.0860, 21.1236,
2.8016


 32.0860, 21.1236,
2.8016


 31.3449, 19.7685,
2.1636

 33.5436, 23.6613,
4.4525

 35.4457, 26.7642,
7.2481

 37.8367, 30.4706,
11.3615

 40.7546, 34.8136,
16.9358

 44.2328, 39.8238,
24.0953

■ 48.3018, 45.5294,
32.9507

■ 52.9898, 51.9569,
43.6029

■ 58.3228, 59.1315,
56.1445

■ 64.3255, 67.0767,
70.6621

Harmonies

Analogous

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



38.9643, 21.1236, 10.6940



32.0860, 21.1236, 2.8016



22.9530, 21.1236, 1.0017

Triad

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



32.0860, 21.1236, 2.8016



8.1601, 21.1236, 15.9928



26.0092, 21.1236, 97.4892

Complementary

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



32.0860, 21.1236, 2.8016



23.5826, 26.6485, 70.2301

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.



17.4525, 21.1236, 102.9747



32.0860, 21.1236, 2.8016



8.5604, 21.1236, 42.3105

Square

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



32.0860, 21.1236, 2.8016



10.2136, 21.1236, 4.4213



11.5153, 21.1236, 78.2933



34.8428, 21.1236, 66.2560

Rectangle

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



32.0860, 21.1236, 2.8016



17.4433, 21.1236, 1.0023



11.5153, 21.1236, 78.2933



22.9641, 21.1236, 102.9607

Sweetspot

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



32.0865, 21.1248, 2.8019



72.3453, 69.6949, 54.7673



34.5755, 17.4215, 30.3948



14.8774, 14.0814, 10.3522



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.0865, 21.1248, 2.8019



44.5884, 27.9568, 3.0461



46.1331, 49.2181, 7.4841



13.4142, 13.7678, 13.6760



18.8685, 12.0225, 1.3261



1.3006, 0.9352, 0.1120

Inverse Universe

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



23.5826, 26.6485, 70.2301



32.1901, 35.5001, 99.7634



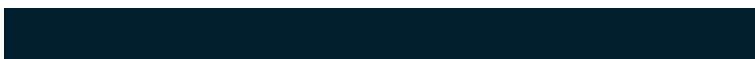
13.8930, 7.2694, 67.0002



13.0546, 14.0490, 16.6758



13.6833, 15.2360, 41.9581



0.9650, 1.1440, 2.7444

Previews

White Background



This preview shows how the XYZ color 32.0860, 21.1236, 2.8016 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 32.0860, 21.1236, 2.8016 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 32.0860, 21.1236, 2.8016

Background



This preview shows how black text looks on a background with the XYZ color 32.0860, 21.1236, 2.8016.



This preview shows how white text looks on a background with the XYZ color 32.0860, 21.1236,

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

32.0860, 21.1236, 2.8016

Protanopia

19.2447, 21.3571, 4.1449

Deuteranopia

21.5353, 21.2518, 2.9670



Tritanopia

33.6921, 21.1326, 10.2859

Trichromacy



Original Color

32.0860, 21.1236, 2.8016

Protanomaly

22.5166, 20.1923, 3.4698

Deuteranomaly

24.5765, 20.4714, 2.7996

Tritanomaly

32.7479, 20.9474, 6.1881

Monochromacy



Original Color

32.0860, 21.1236, 2.8016

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.4985, 17.2374, 9.6966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0860, 21.1236, 2.8016 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(218, 83, 14)` looks like.

```
.text, #text, p{  
    color:rgb(218, 83, 14)  
}
```

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(218, 83, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 83, 14) }
```

Border

The CSS property to change the border of an element to XYZ 32.0860, 21.1236, 2.8016 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(218, 83, 14) }
```


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

```
.border{ border-color:rgb(218, 83, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 83, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 83, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 83, 14);  
box-shadow:4px 4px 4px 4px rgb(218, 83,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0860, 21.1236, 2.8016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 83, 14) }
```

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

```
.background{ background-color: rgb(218, 83,  
14) }
```

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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