

Converting Colors

XYZ(32.9355, 23.8320, 2.8641)

Have a look what the booklet for
XYZ(32.9355, 23.8320, 2.8641)
contains.

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Color

**XYZ(32.9726, 23.9063,
2.8765)**

Conversions

Conversions Part 1

Format	Color
Hex	D86500
RGB	216, 101, 0
RGB Percent	85%, 40%, 0%
CMY	0.1529, 0.6039, 1.0000
CMYK	0.00, 0.53, 1.00, 0.15
HSL	28°, 100%, 42%
HSV	28°, 100%, 85%
XYZ	32.9726, 23.9063, 2.8765
YIQ	123.8710, 100.9610, -7.0310

Conversions

Conversions Part 2

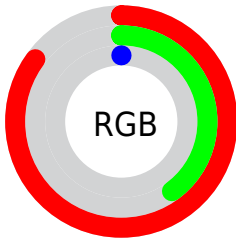
Format	Color
R_{YB}	216, 190, 0
Decimal	14181632
CIE _{Lab}	55.99, 41.01, 64.56
CIE _{LCh}	56, 76.483, 57.578
Yxy	23.9063, 0.5518, 0.4001
Android (android.graphics.Color)	4292371712 (0xFFD86500)
YUV	123.8710, -61.0684, 80.7971
Hunter-Lab	48.8941, 34.8101, 30.7377

Details

The XYZ color **32.9726, 23.9063, 2.8765** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **18.5250, 17.2186, 67.3124**, and the grayscale version is **19.2897, 20.2942, 22.1004**.

A 20% lighter version of the original color is **53.7497, 44.7529, 10.8063**, and **14.2775, 9.0535, 0.9950** is the 20% darker color. If you saturate the color by 10%, you get **32.9728, 23.9071, 2.8767**, and if you desaturate by 10%, it is **34.3100, 26.3557, 4.0181**.

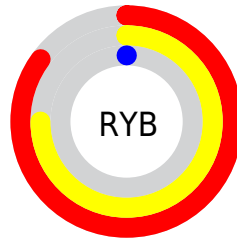
Distribution



Red (85%)

Green (40%)

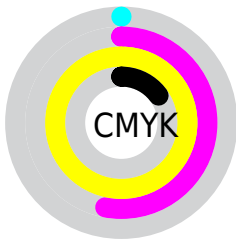
Blue (0%)



Red (85%)

Yellow (75%)

Blue (0%)

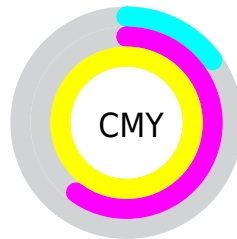


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9726, 23.9063, 2.8765 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 32.9726, 23.9063, 2.8765 by changing the saturation by 10% instead.


 32.9726, 23.9063,
2.8765


 32.9726, 23.9063,
2.8765


307.1934,
272.3464, 134.7718


 22.2646, 15.2641,
1.0319


 63.6877, 49.8773,
11.3221

 14.1691, 9.0050,
0.0000


 84.4255, 67.9748,
18.7603

 8.3209, 4.7444,
0.0000

 109.2373, 89.9930,
28.9000


 4.3545, 2.0981,
0.0000

 138.4884,
116.3161, 42.1599

 1.9046, 0.6636,
0.0000

 172.5443,
147.3286, 58.9585


 0.5795, 0.0000,
0.0000


 211.7701,


 0.0000, 0.0000,


183.4149, 79.7143


0.0000


 256.5314,
224.9594, 104.8459


 32.9726, 23.9063,
2.8765


 32.9726, 23.9063,
2.8765


 32.9728, 23.9071,
2.8767

 34.3100, 26.3557,
4.0181

 35.9669, 29.1916,
6.0441

 38.0019, 32.4476,
9.2315

 40.4493, 36.1463,
13.7348

 43.3388, 40.3079,
19.6846

■ 46.6969, 44.9509,
27.1954

■ 50.5477, 50.0927,
36.3700

■ 54.9132, 55.7496,
47.3025

■ 59.8143, 61.9370,
60.0798

Harmonies

Analogous

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



41.1043, 23.9063, 9.5042



32.9726, 23.9063, 2.8765



23.4395, 23.9063, 1.4783

Triad

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



32.9726, 23.9063, 2.8765



9.7306, 23.9063, 24.0494



31.4216, 23.9063, 96.2128

Complementary

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



32.9726, 23.9063, 2.8765



18.5250, 17.2186, 67.3124

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.



22.0197, 23.9063, 109.7709



32.9726, 23.9063, 2.8765



10.8468, 23.9063, 55.2646

Square

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



32.9726, 23.9063, 2.8765



11.2862, 23.9063, 7.8164



14.8524, 23.9063, 91.4341



40.0594, 23.9063, 61.2879

Rectangle

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



32.9726, 23.9063, 2.8765



18.0165, 23.9063, 1.8284



14.8524, 23.9063, 91.4341



28.1833, 23.9063, 104.1182

Sweetspot

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



32.9731, 23.9076, 2.8769



73.4418, 72.7257, 52.5498



31.4249, 15.8414, 17.6821



15.1914, 14.8668, 9.9720



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.



32.9731, 23.9076, 2.8769



47.8657, 34.5114, 4.1386



51.0700, 60.1014, 8.9092



12.8972, 13.3686, 13.0614



19.6227, 14.3626, 1.7380



1.2660, 1.0311, 0.1323

Inverse Universe

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



18.5250, 17.2186, 67.3124



26.8201, 24.7602, 97.9734



12.4728, 5.1143, 65.2950



12.2845, 13.0925, 15.8172



11.0739, 10.4095, 39.8787



0.7505, 0.7929, 2.4328

Previews

White Background



This preview shows how the XYZ color 32.9726, 23.9063, 2.8765 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 32.9726, 23.9063, 2.8765 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 32.9726, 23.9063, 2.8765

Background



This preview shows how black text looks on a background with the XYZ color 32.9726, 23.9063, 2.8765.



This preview shows how white text looks on a background with the XYZ color 32.9726, 23.9063,

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

32.9726, 23.9063, 2.8765

Protanopia

21.7391, 24.0539, 4.1589

Deuteranopia

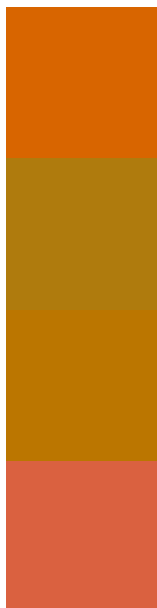
24.2967, 23.9844, 3.3489



Tritanopia

35.5164, 23.9856, 14.8144

Trichromacy



Original Color

32.9726, 23.9063, 2.8765

Protanomaly

24.8348, 23.3089, 3.5709

Deuteranomaly

26.9720, 23.5217, 3.1186

Tritanomaly

34.1135, 23.8250, 7.6512

Monochromacy



Original Color

32.9726, 23.9063, 2.8765

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.5613, 20.2234, 10.1642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9726, 23.9063, 2.8765 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(216, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 101, 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(216, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 101, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.9726, 23.9063, 2.8765 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(216, 101, 0) }
```


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

```
.border{ border-color:rgb(216, 101, 0) }
```

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

Here you see how a box with a 4 pixel rgb(216, 101, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 101,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9726, 23.9063, 2.8765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 101, 0) }
```

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

```
.background{ background-color: rgb(216,  
101, 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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