

Converting Colors

XYZ(32.6985, 21.5828, 2.4425)

Have a look what the booklet for
XYZ(32.6985, 21.5828, 2.4425)
contains.

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Color

**XYZ(32.6855, 21.5563,
2.4381)**

Conversions

Conversions Part 1

Format	Color
Hex	DC5400
RGB	220, 84, 0
RGB Percent	86%, 33%, 0%
CMY	0.1373, 0.6706, 1.0000
CMYK	0.00, 0.62, 1.00, 0.14
HSL	23°, 100%, 43%
HSV	23°, 100%, 86%
XYZ	32.6855, 21.5563, 2.4381
YIQ	115.0880, 108.0200, 2.7080

Conversions

Conversions Part 2

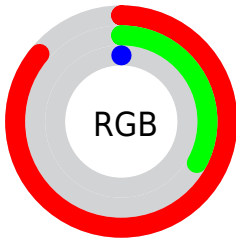
Format	Color
RYB	220, 136, 0
Decimal	14439424
CIELab	53.55, 50.50, 63.55
CIElCh	54, 81.172, 51.524
Yxy	21.5563, 0.5767, 0.3803
Android (android.graphics.Color)	4292629504 (0xFFDC5400)
YUV	115.0880, -56.7384, 92.0078
Hunter-Lab	46.4288, 44.4123, 29.3867

Details

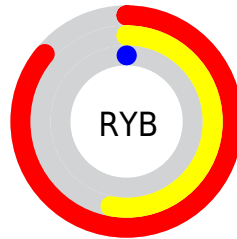
The XYZ color **32.6855, 21.5563, 2.4381** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **21.7218, 22.7744, 70.9605**, and the grayscale version is **16.4675, 17.3250, 18.8670**.

A 20% lighter version of the original color is **51.2257, 39.7958, 9.6841**, and **14.0797, 7.8067, 0.7648** is the 20% darker color. If you saturate the color by 10%, you get **32.6857, 21.5570, 2.4382**, and if you desaturate by 10%, it is **33.9909, 23.9357, 3.5879**.

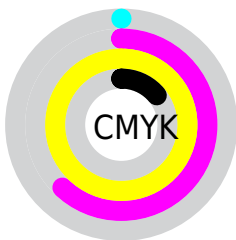
Distribution



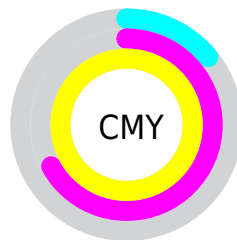
- Red (86%)
- Green (33%)
- Blue (0%)



- Red (86%)
- Yellow (53%)
- Blue (0%)



- Cyan (0%)
- Magenta (62%)
- Yellow (100%)
- Black (14%)





- Cyan (14%)
- Magenta (67%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6855, 21.5563, 2.4381 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 32.6855, 21.5563, 2.4381 by changing the saturation by 10% instead.


 32.6855, 21.5563,
2.4381

 32.6855, 21.5563,
2.4381


305.9203,
260.2203, 128.8464


 22.0437, 13.5312,
0.8071


 63.2422, 46.0116,
10.2072

 14.0058, 7.7954,
0.0000


 83.8878, 63.2105,
17.1908


 8.2064, 3.9643,
0.0000

 108.5987, 84.2363,
26.7984

 4.2802, 1.6536,
0.0000

 137.7402,
109.4732, 39.4487

 1.8619, 0.3933,
0.0000

 171.6778,
139.3057, 55.5600


 0.5545, 0.0000,
0.0000


 210.7768,


 0.0000, 0.0000,


174.1181, 75.5511


0.0000


 255.4025,
214.2948, 99.8404


 32.6855, 21.5563,
2.4381


 32.6855, 21.5563,
2.4381

 32.6857, 21.5570,
2.4382

 33.9909, 23.9357,
3.5879

 35.6768, 26.8116,
5.6782

 37.8076, 30.2273,
8.9968

 40.4235, 34.2140,
13.7070

 43.5588, 38.7997,
19.9466

■ 47.2446, 44.0106,
27.8364

■ 51.5092, 49.8710,
37.4852

■ 56.3785, 56.4035,
48.9923

■ 61.8770, 63.6299,
62.4495

Harmonies

Analogous

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



40.1972, 21.5563, 9.9675



32.6855, 21.5563, 2.4381



23.0408, 21.5563, 0.8423

Triad

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



32.6855, 21.5563, 2.4381



8.0427, 21.5563, 17.1237



27.2212, 21.5563, 101.5893

Complementary

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



32.6855, 21.5563, 2.4381



21.7218, 22.7744, 70.9605

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.



18.1323, 21.5563, 109.2178



32.6855, 21.5563, 2.4381



8.5790, 21.5563, 45.6605

Square

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



32.6855, 21.5563, 2.4381



10.0264, 21.5563, 4.5523



11.7804, 21.5563, 84.0504



36.4742, 21.5563, 67.3684

Rectangle

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



32.6855, 21.5563, 2.4381



17.3404, 21.5563, 0.8947



11.7804, 21.5563, 84.0504



23.9965, 21.5563, 107.9952

Sweetspot

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



32.6860, 21.5575, 2.4384



71.8117, 69.4655, 52.0065



34.1997, 17.0895, 26.0506



14.8087, 14.1013, 9.8444



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.



32.6860, 21.5575, 2.4384



45.5490, 29.8780, 3.3663



48.0731, 52.3318, 7.5675



13.4616, 13.8625, 13.6918



19.2828, 12.8511, 1.4642



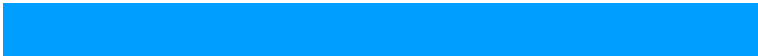
1.3309, 0.9959, 0.1221

Inverse Universe

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



21.7218, 22.7744, 70.9605



30.2138, 31.5475, 99.1046



13.3659, 6.0627, 68.1752



13.0056, 13.9509, 16.6595



12.8589, 13.5873, 41.6833



0.9153, 1.0448, 2.7279

Previews

White Background



This preview shows how the XYZ color 32.6855, 21.5563, 2.4381 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 32.6855, 21.5563, 2.4381 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 32.6855, 21.5563, 2.4381

Background



This preview shows how black text looks on a background with the XYZ color 32.6855, 21.5563, 2.4381.



This preview shows how white text looks on a background with the XYZ color 32.6855, 21.5563,

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

32.6855, 21.5563, 2.4381

Protanopia

19.6721, 21.7782, 3.9258

Deuteranopia

21.8598, 21.6004, 3.0172



Tritanopia

34.4099, 21.6029, 10.5398

Trichromacy



Original Color

32.6855, 21.5563, 2.4381

Protanomaly

22.9977, 20.6126, 3.1820

Deuteranomaly

24.8910, 20.7924, 2.7014

Tritanomaly

33.3301, 21.3665, 5.7356

Monochromacy



Original Color

32.6855, 21.5563, 2.4381

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

19.2898, 17.1540, 8.5977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6855, 21.5563, 2.4381 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(220, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(220, 84, 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(220, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 84, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.6855, 21.5563, 2.4381 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(220, 84, 0) }
```


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

```
.border{ border-color:rgb(220, 84, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.6855, 21.5563, 2.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 84, 0) }
```

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

```
.background{ background-color: rgb(220, 84,  
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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