

Converting Colors

XYZ(33.6003, 22.9982, 7.0605)

Have a look what the booklet for
XYZ(33.6003, 22.9982, 7.0605)
contains.

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Color

**XYZ(33.6701, 23.0710,
7.0934)**

Conversions

Conversions Part 1

Format	Color
Hex	DA5D3D
RGB	218, 93, 61
RGB Percent	85%, 36%, 24%
CMY	0.1451, 0.6353, 0.7608
CMYK	0.00, 0.57, 0.72, 0.15
HSL	12°, 68%, 55%
HSV	12°, 72%, 85%
XYZ	33.6701, 23.0710, 7.0934
YIQ	126.7270, 84.7720, 16.5480

Conversions

Conversions Part 2

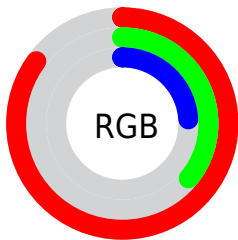
Format	Color
R_{YB}	218, 101, 61
Decimal	14310717
CIE _{Lab}	55.15, 47.12, 42.19
CIE _{LCh}	55, 63.250, 41.838
Yxy	23.0710, 0.5275, 0.3614
Android (android.graphics.Color)	4292500797 (0xFFDA5D3D)
YUV	126.7270, -32.4034, 80.0464
Hunter-Lab	48.0323, 41.0700, 24.8667

Details

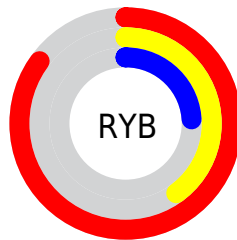
The XYZ color **33.6701, 23.0710, 7.0934** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **32.1368, 41.1690, 72.5819**, and the grayscale version is **20.1672, 21.2174, 23.1058**.

A 20% lighter version of the original color is **54.4882, 43.2532, 20.2287**, and **14.5220, 8.5534, 1.3375** is the 20% darker color. If you saturate the color by 10%, you get **31.8433, 20.1742, 4.1526**, and if you desaturate by 10%, it is **36.0821, 26.7572, 11.4063**.

Distribution



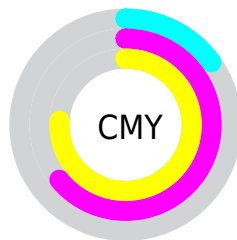
- Red (85%)
- Green (36%)
- Blue (24%)



- Red (85%)
- Yellow (40%)
- Blue (24%)



- Cyan (0%)
- Magenta (57%)
- Yellow (72%)
- Black (15%)





- Cyan (15%)
- Magenta (64%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6701, 23.0710, 7.0934 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 33.6701, 23.0710, 7.0934 by changing the saturation by 10% instead.


 33.6701, 23.0710,
7.0934


 33.6701, 23.0710,
7.0934

310.2704,
268.0895, 178.0978


 22.8020, 14.6459,
3.4412


 64.7680, 48.5099,
20.6769

 14.5672, 8.5713,
1.3241


 85.7285, 66.2925,
31.4454

 8.6006, 4.4626,
0.0814


 110.7838, 87.9631,
45.4230

 4.5366, 1.9356,
0.0000

 140.2994,
113.9060, 63.0284

 2.0100, 0.5696,
0.0000

 174.6404,
144.5058, 84.6800

 0.6395, 0.0000,
0.0000

 214.1724,

 0.0000, 0.0000,

180.1466, 110.7964

0.0000

259.2606,
221.2131, 141.7962

■ 33.6701, 23.0710,
7.0934

■ 33.6701, 23.0710,
7.0934

■ 31.8433, 20.1742,
4.1526

■ 36.0821, 26.7572,
11.4063

■ 30.5457, 18.0031,
2.4119


■ 39.1252, 31.2822,
17.2333


■ 29.8305, 16.7398,
1.6589


■ 42.8419, 36.6957,
24.6995


■ 47.2708, 43.0424,
33.9170

■ 52.4472, 50.3638,
44.9875

 58.4041, 58.6992,
58.0053

 65.1726, 68.0853,
73.0581

 72.7819, 78.5573,
90.2281

 80.9036, 90.0059,
107.7165

Harmonies

Analogous

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



38.0692, 23.0710, 17.9622



33.6701, 23.0710, 7.0934



26.4353, 23.0710, 3.3333

Triad

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



33.6701, 23.0710, 7.0934



11.3975, 23.0710, 14.8505



24.8312, 23.0710, 85.5750

Complementary

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



33.6701, 23.0710, 7.0934



32.1368, 41.1690, 72.5819

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.



17.9651, 23.0710, 83.0876



33.6701, 23.0710, 7.0934



11.1489, 23.0710, 33.9651

Square

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



33.6701, 23.0710, 7.0934



14.0659, 23.0710, 5.8671



13.2932, 23.0710, 60.9772



32.2810, 23.0710, 66.6175

Rectangle

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



33.6701, 23.0710, 7.0934



21.4960, 23.0710, 2.8593



13.2932, 23.0710, 60.9772



22.3664, 23.0710, 87.4139

Sweetspot

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



33.6706, 23.0723, 7.0938



74.6670, 71.6385, 63.8642



39.5089, 21.8137, 48.9175



15.5274, 14.6933, 12.6899



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.



33.6706, 23.0723, 7.0938



44.4525, 27.1827, 4.5490



44.2996, 44.3303, 10.6368



13.2700, 13.4793, 13.6279



17.9336, 10.1527, 1.0145



1.2238, 0.7817, 0.0864

Inverse Universe

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



32.1368, 41.1690, 72.5819



41.8860, 53.8275, 102.7899



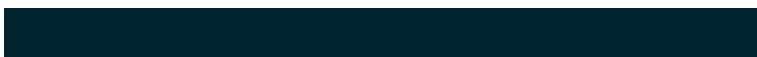
19.9525, 16.8004, 68.5205



13.2077, 14.3552, 16.7268



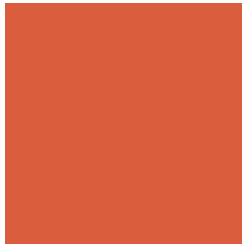
16.6772, 21.2239, 42.9560



1.1386, 1.4913, 2.8023

Previews

White Background



This preview shows how the XYZ color 33.6701, 23.0710, 7.0934 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 33.6701, 23.0710, 7.0934 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 33.6701, 23.0710, 7.0934

Background



This preview shows how black text looks on a background with the XYZ color 33.6701, 23.0710, 7.0934.



This preview shows how white text looks on a background with the XYZ color 33.6701, 23.0710,

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

33.6701, 23.0710, 7.0934

Protanopia

21.4776, 23.3805, 9.8595

Deuteranopia

23.6438, 23.1874, 6.7195



Tritanopia

35.1531, 23.1866, 13.4492

Trichromacy



Original Color

33.6701, 23.0710, 7.0934

Protanomaly

24.5659, 22.1572, 8.6122

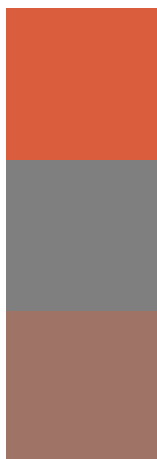
Deuteranomaly

26.5230, 22.5204, 6.8198

Tritanomaly

34.4309, 22.9969, 10.8078

Monochromacy



Original Color

33.6701, 23.0710, 7.0934

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

23.0761, 20.7143, 15.6140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6701, 23.0710, 7.0934 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, 93, 61)` looks like.

```
.text, #text, p{  
    color:rgb(218, 93, 61)  
}
```

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, 93, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 93, 61) }
```

Border

The CSS property to change the border of an element to XYZ 33.6701, 23.0710, 7.0934 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, 93, 61) }
```


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

```
.border{ border-color:rgb(218, 93, 61) }
```

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

Here you see how a box with a 4 pixel rgb(218, 93, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 93, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 93, 61);  
box-shadow:4px 4px 4px 4px rgb(218, 93,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6701, 23.0710, 7.0934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 93, 61) }
```

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

```
.background{ background-color: rgb(218, 93,  
61) }
```

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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