

Converting Colors

XYZ(36.6329, 30.6486, 7.7038)

Have a look what the booklet for
XYZ(36.6329, 30.6486, 7.7038)
contains.

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Color

**XYZ(36.7208, 30.6979,
7.7313)**

Conversions

Conversions Part 1

Format	Color
Hex	D78238
RGB	215, 130, 56
RGB Percent	84%, 51%, 22%
CMY	0.1569, 0.4902, 0.7804
CMYK	0.00, 0.40, 0.74, 0.16
HSL	28°, 67%, 53%
HSV	28°, 74%, 84%
XYZ	36.7208, 30.6979, 7.7313
YIQ	146.9790, 74.4140, -4.9940

Conversions

Conversions Part 2

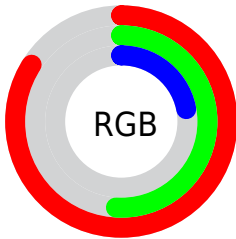
Format	Color
R _Y B	215, 194, 56
Decimal	14123576
CIE Lab	62.25, 26.87, 52.10
CIE LCh	62, 58.619, 62.717
Yxy	30.6979, 0.4886, 0.4085
Android (android.graphics.Color)	4292313656 (0xFFD78238)
YUV	146.9790, -44.8526, 59.6544
Hunter-Lab	55.4057, 21.3431, 30.5107

Details

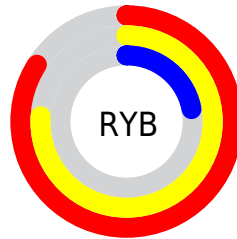
The XYZ color **36.7208, 30.6979, 7.7313** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **23.4209, 24.7955, 67.8411**, and the grayscale version is **27.8834, 29.3356, 31.9464**.

A 20% lighter version of the original color is **60.8273, 56.1885, 21.5494**, and **16.3862, 12.7059, 1.5888** is the 20% darker color. If you saturate the color by 10%, you get **34.8592, 27.6435, 5.0501**, and if you desaturate by 10%, it is **38.9802, 34.1873, 11.6589**.

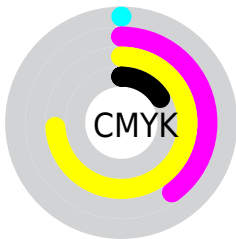
Distribution



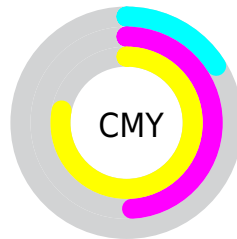
- Red (84%)
- Green (51%)
- Blue (22%)



- Red (84%)
- Yellow (76%)
- Blue (22%)



- Cyan (0%)
- Magenta (40%)
- Yellow (74%)
- Black (16%)





- Cyan (16%)
- Magenta (49%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7208, 30.6979, 7.7313 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 36.7208, 30.6979, 7.7313 by changing the saturation by 10% instead.


 36.7208, 30.6979,
7.7313


 36.7208, 30.6979,
7.7313


323.4767,
305.1441, 183.4642

 25.1641, 20.3689,
3.8382


 69.4598, 60.7641,
21.9674


 16.3287, 12.6635,
1.5370

 91.3728, 81.2702,
33.1475


 9.8494, 7.1972,
0.2453


 117.4685,
105.9373, 47.5936

 5.3607, 3.5858,
0.0000

 148.1124,
135.1501, 65.7243

 2.4973, 1.4447,
0.0000

 183.6699,
169.2927, 87.9582

 0.8939, 0.2493,
0.0000

 224.5062,

 0.0000, 0.0000,

208.7497, 114.7138

0.0000

270.9866,
253.9053, 146.4096

■ 36.7208, 30.6979,
7.7313

■ 36.7208, 30.6979,
7.7313

■ 34.8592, 27.6435,
5.0501

■ 38.9802, 34.1873,
11.6589

■ 33.3566, 24.9957,
3.4474

■ 41.6664, 38.1278,
16.9683

■ 32.5880, 23.5747,
2.8328

■ 44.8074, 42.5402,
23.7790

■ 48.4279, 47.4422,
32.1969

■ 52.5505, 52.8503,
42.3181

■ 57.1965, 58.7802,
54.2312

■ 62.3854, 65.2468,
68.0186

■ 68.1360, 72.2645,
83.7575

■ 74.4659, 79.8468,
101.5207

Harmonies

Analogous

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



43.9392, 30.6979, 14.9737



36.7208, 30.6979, 7.7313



28.4621, 30.6979, 6.0608

Triad

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



36.7208, 30.6979, 7.7313



16.4672, 30.6979, 35.5332



38.1963, 30.6979, 85.1125

Complementary

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



36.7208, 30.6979, 7.7313



23.4209, 24.7955, 67.8411

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.



29.9046, 30.6979, 98.5627



36.7208, 30.6979, 7.7313



18.1587, 30.6979, 62.9359

Square

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



36.7208, 30.6979, 7.7313



17.6380, 30.6979, 17.1676



22.7451, 30.6979, 89.0227



44.8936, 30.6979, 57.6366

Rectangle

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



36.7208, 30.6979, 7.7313



23.6880, 30.6979, 7.1917



22.7451, 30.6979, 89.0227



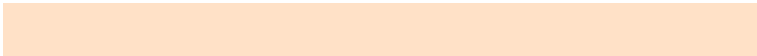
35.4555, 30.6979, 91.8705

Sweetspot

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



36.7215, 30.6995, 7.7319



78.4655, 79.2354, 65.1304



34.4306, 19.2724, 28.0713



16.4153, 16.4693, 12.9859



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.



36.7215, 30.6995, 7.7319



49.9314, 38.3066, 5.8640



51.0628, 59.3822, 12.5123



12.8949, 13.3641, 13.0606



19.5956, 14.3085, 1.7290



1.2643, 1.0278, 0.1317

Inverse Universe

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



23.4209, 24.7955, 67.8411



29.3360, 29.0790, 98.6744



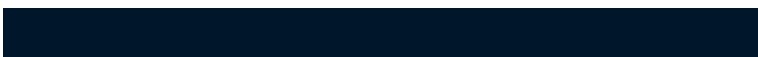
15.7274, 9.4085, 65.2766



12.2868, 13.0970, 15.8179



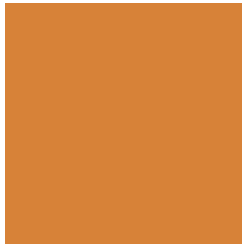
11.1057, 10.4731, 39.8893



0.7523, 0.7967, 2.4334

Previews

White Background



This preview shows how the XYZ color 36.7208, 30.6979, 7.7313 looks on a white background.

Color Contrast Check

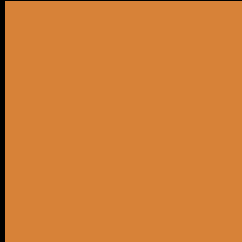
Large Text (above 18pt) WCAG AA × Fail

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 36.7208, 30.6979, 7.7313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

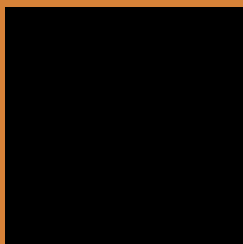
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7208, 30.6979, 7.7313

Background



This preview shows how black text looks on a background with the XYZ color 36.7208, 30.6979, 7.7313.



This preview shows how white text looks on a background with the XYZ color 36.7208, 30.6979,

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

36.7208, 30.6979, 7.7313

Protanopia

28.0846, 30.8058, 9.0233

Deuteranopia

31.4286, 30.7117, 7.5203



Tritanopia

40.2697, 30.6178, 25.2601

Trichromacy



Original Color

36.7208, 30.6979, 7.7313

Protanomaly

30.6457, 30.2855, 8.5054

Deuteranomaly

33.0198, 30.4398, 7.5033

Tritanomaly

38.7457, 30.5721, 16.9556

Monochromacy



Original Color

36.7208, 30.6979, 7.7313

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.5754, 29.0353, 19.9652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7208, 30.6979, 7.7313 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(215, 130, 56)` looks like.

```
.text, #text, p{  
    color:rgb(215, 130, 56)  
}
```

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(215, 130, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 130, 56) }
```

Border

The CSS property to change the border of an element to XYZ 36.7208, 30.6979, 7.7313 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(215, 130, 56) }
```


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

```
.border{ border-color:rgb(215, 130, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 130, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 130, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 130, 56);  
box-shadow:4px 4px 4px 4px rgb(215, 130,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7208, 30.6979, 7.7313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 130, 56) }
```

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

```
.background{ background-color: rgb(215,  
130, 56) }
```

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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