

Converting Colors

XYZ(37.1808, 27.7990, 12.4264)

Have a look what the booklet for
XYZ(37.1808, 27.7990, 12.4264)
contains.

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Color

**XYZ(37.1406, 27.7140,
12.4086)**

Conversions

Conversions Part 1

Format	Color
Hex	DC7157
RGB	220, 113, 87
RGB Percent	86%, 44%, 34%
CMY	0.1373, 0.5568, 0.6588
CMYK	0.00, 0.49, 0.60, 0.14
HSL	12°, 66%, 60%
HSV	12°, 60%, 86%
XYZ	37.1406, 27.7140, 12.4086
YIQ	142.0290, 72.1180, 14.5980

Conversions

Conversions Part 2

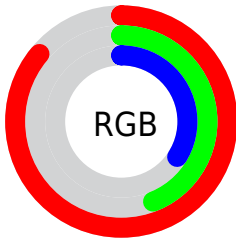
Format	Color
R _Y B	220, 119, 87
Decimal	14446935
CIE Lab	59.63, 39.56, 33.43
CIE LCh	60, 51.790, 40.203
Yxy	27.7140, 0.4807, 0.3587
Android (android.graphics.Color)	4292637015 (0xFFDC7157)
YUV	142.0290, -27.1293, 68.3806
Hunter-Lab	52.6441, 33.8053, 22.8758

Details

The XYZ color **37.1406, 27.7140, 12.4086** 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 **36.1391, 45.7743, 74.6403**, and the grayscale version is **25.8074, 27.1514, 29.5679**.

A 20% lighter version of the original color is **59.5741, 50.7036, 30.3138**, and **16.6201, 11.0789, 3.3603** is the 20% darker color. If you saturate the color by 10%, you get **34.5893, 23.8374, 7.7792**, and if you desaturate by 10%, it is **40.3521, 32.4732, 18.6094**.

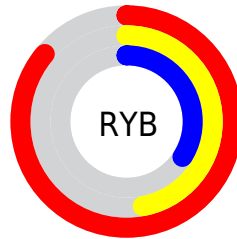
Distribution



Red (86%)

Green (44%)

Blue (34%)



Red (86%)

Yellow (47%)

Blue (34%)

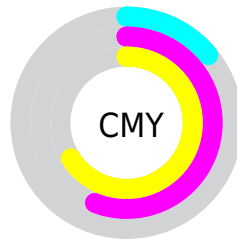


Cyan (0%)

Magenta (49%)

Yellow (60%)

Black (14%)



Cyan (14%)


Magenta (56%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1406, 27.7140, 12.4086 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 37.1406, 27.7140, 12.4086 by changing the saturation by 10% instead.


 37.1406, 27.7140,
12.4086


 37.1406, 27.7140,
12.4086

325.2638,
291.0978, 218.1649


 25.4905, 18.1102,
6.8967

 70.1014, 56.0275,
30.9126

 16.5736, 11.0291,
3.3201

 92.1429, 75.5060,
44.7417


 10.0243, 6.0864,
1.2603


 118.3788, 99.0448,
62.1804

 5.4775, 2.8977,
0.0289

 149.1747,
127.0283, 83.6471

 2.5677, 1.0786,
0.0000

 184.8957,
159.8410, 109.5603

 0.9295, 0.0000,
0.0000

225.9074,

 0.0000, 0.0000,

197.8672, 140.3387

0.0000

272.5749,
241.4913, 176.4007

■ 37.1406, 27.7140,
12.4086

■ 37.1406, 27.7140,
12.4086

■ 34.5893, 23.8374,
7.7792

■ 40.3521, 32.4732,
18.6094

■ 32.6479, 20.7836,
4.5765

■ 44.2651, 38.1608,
26.5058

■ 31.2617, 18.4922,
2.6312

■ 48.9195, 44.8248,
36.2111

■ 30.3795, 16.9446,
1.6695

■ 54.3518, 52.5085,
47.8283

■ 60.5960, 61.2525,
61.4529

■ 67.6840, 71.0954,
77.1737

■ 75.6458, 82.0735,
95.0744

■ 83.1951, 93.6957,
108.3080

■ 83.3250, 93.9556,
108.3513

Harmonies

Analogous

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



40.7300, 27.7140, 24.2446



37.1406, 27.7140, 12.4086



30.8264, 27.7140, 7.4132

Triad

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



37.1406, 27.7140, 12.4086



16.2066, 27.7140, 19.5627



28.6283, 27.7140, 81.1974

Complementary

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



37.1406, 27.7140, 12.4086



36.1391, 45.7743, 74.6403

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.



22.3139, 27.7140, 78.2232



37.1406, 27.7140, 12.4086



15.8166, 27.7140, 37.0032

Square

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



37.1406, 27.7140, 12.4086



19.0401, 27.7140, 10.2025



17.8690, 27.7140, 59.8434



35.3047, 27.7140, 66.8099

Rectangle

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



37.1406, 27.7140, 12.4086



26.2969, 27.7140, 6.6106



17.8690, 27.7140, 59.8434



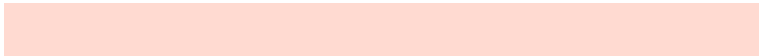
26.3858, 27.7140, 82.3018

Sweetspot

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



37.1413, 27.7155, 12.4091



77.8519, 76.0502, 70.9624



42.8435, 26.0002, 54.7563



16.1457, 15.5499, 14.0679



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.



37.1413, 27.7155, 12.4091



47.3865, 31.8417, 9.2544



47.1325, 47.6980, 15.7395



13.2611, 13.4616, 13.6250



17.8915, 10.0686, 1.0004



1.2196, 0.7734, 0.0850

Inverse Universe

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



36.1391, 45.7743, 74.6403



45.7212, 58.9349, 103.5736



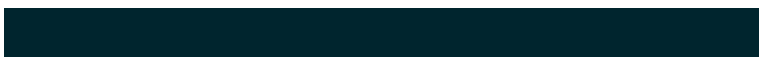
24.7145, 22.9250, 70.8321



13.2173, 14.3743, 16.7300



16.8859, 21.6413, 43.0256



1.1504, 1.5149, 2.8062

Previews

White Background



This preview shows how the XYZ color 37.1406, 27.7140, 12.4086 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 37.1406, 27.7140, 12.4086 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 37.1406, 27.7140, 12.4086

Background



This preview shows how black text looks on a background with the XYZ color 37.1406, 27.7140, 12.4086.



This preview shows how white text looks on a background with the XYZ color 37.1406, 27.7140,

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

37.1406, 27.7140, 12.4086

Protanopia

25.9357, 27.9153, 15.8256

Deuteranopia

28.3731, 27.7306, 11.8398



Tritanopia

38.8037, 27.7512, 20.1410

Trichromacy



Original Color

37.1406, 27.7140, 12.4086

Protanomaly

29.0435, 27.1850, 14.5429

Deuteranomaly

31.0576, 27.2849, 12.0171

Tritanomaly

37.9962, 27.5646, 16.9536

Monochromacy



Original Color

37.1406, 27.7140, 12.4086

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.2067, 26.1838, 21.9797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1406, 27.7140, 12.4086 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, 113, 87)` looks like.

```
.text, #text, p{  
    color:rgb(220, 113, 87)  
}
```

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, 113, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 113, 87) }
```

Border

The CSS property to change the border of an element to XYZ 37.1406, 27.7140, 12.4086 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, 113, 87) }
```


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

```
.border{ border-color:rgb(220, 113, 87) }
```

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

Here you see how a box with a 4 pixel rgb(220, 113, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 113, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 113, 87);  
box-shadow:4px 4px 4px 4px rgb(220, 113,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1406, 27.7140, 12.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 113, 87) }
```

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

```
.background{ background-color: rgb(220,  
113, 87) }
```

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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