

Converting Colors

XYZ(36.1202, 26.7112, 13.6222)

Have a look what the booklet for
XYZ(36.1202, 26.7112, 13.6222)
contains.

XYZ(36.1670, 26.6939, 13.6022)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.1670, 26.6939,
13.6022)**

Conversions

Conversions Part 1

Format	Color
Hex	D96E5D
RGB	217, 110, 93
RGB Percent	85%, 43%, 36%
CMY	0.1490, 0.5686, 0.6353
CMYK	0.00, 0.49, 0.57, 0.15
HSL	8°, 62%, 61%
HSV	8°, 57%, 85%
XYZ	36.1670, 26.6939, 13.6022
YIQ	140.0550, 69.2290, 17.3970

Conversions

Conversions Part 2

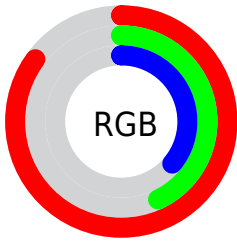
Format	Color
RYB	217, 113, 93
Decimal	14249565
CIELab	58.69, 40.38, 28.80
CIElCh	59, 49.598, 35.492
Yxy	26.6939, 0.4730, 0.3491
Android (android.graphics.Color)	4292439645 (0xFFD96E5D)
YUV	140.0550, -23.1981, 67.4808
Hunter-Lab	51.6661, 34.5367, 20.5570

Details

The XYZ color **36.1670, 26.6939, 13.6022** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **37.6915, 48.6427, 73.0478**, and the grayscale version is **25.0179, 26.3208, 28.6633**.

A 20% lighter version of the original color is **59.5495, 49.8245, 32.8641**, and **15.9817, 10.5013, 3.8739** is the 20% darker color. If you saturate the color by 10%, you get **33.5275, 22.7411, 8.6344**, and if you desaturate by 10%, it is **39.5073, 31.6123, 20.1492**.

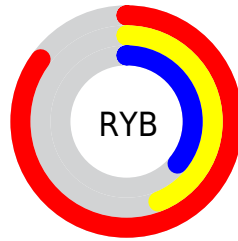
Distribution



Red (85%)

Green (43%)

Blue (36%)



Red (85%)

Yellow (44%)

Blue (36%)

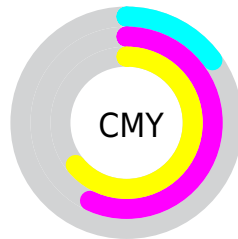


Cyan (0%)

Magenta (49%)

Yellow (57%)

Black (15%)



Cyan (15%)


Magenta (57%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1670, 26.6939, 13.6022 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 36.1670, 26.6939, 13.6022 by changing the saturation by 10% instead.


 36.1670, 26.6939,
13.6022


 36.1670, 26.6939,
13.6022


321.1084,
286.1720, 226.0836


 24.7339, 17.3435,
7.7089


 68.6119, 54.3923,
33.0884


 16.0066, 10.4797,
3.8242


 90.3545, 73.5090,
47.5184

 9.6197, 5.7181,
1.5294


 116.2642, 96.6500,
65.6311

 5.2079, 2.6745,
0.2397

 146.7065,
124.1996, 87.8450

 2.4057, 0.9642,
0.0000

182.0468,
156.5422, 114.5787

 0.8480, 0.0000,
0.0000

222.6502,

 0.0000, 0.0000,

194.0622, 146.2506

0.0000

268.8823,
237.1440, 183.2794

■ 36.1670, 26.6939,
13.6022

■ 36.1670, 26.6939,
13.6022

■ 33.5275, 22.7411,
8.6344

■ 39.5073, 31.6123,
20.1492

■ 31.5360, 19.6858,
5.1103

■ 43.5922, 37.5498,
28.3926

■ 30.1351, 17.4580,
2.8739

■ 48.4641, 44.5612,
38.4402

■ 29.2534, 15.9738,
1.7195

■ 54.1617, 52.6960,
50.3905

■ 29.0734, 15.6681,
1.4919

■ 60.7210, 62.0007,
64.3348

■ 68.1760, 72.5191,
80.3585

■ 76.5588, 84.2928,
98.5420

■ 82.4251, 93.4916,
108.3092

Harmonies

Analogous

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



38.9257, 26.6939, 25.9682



36.1670, 26.6939, 13.6022



30.5536, 26.6939, 7.9655

Triad

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



36.1670, 26.6939, 13.6022



16.1278, 26.6939, 17.2411



26.5106, 26.6939, 76.9482

Complementary

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



36.1670, 26.6939, 13.6022



37.6915, 48.6427, 73.0478

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.



20.8116, 26.6939, 71.5823



36.1670, 26.6939, 13.6022



15.3978, 26.6939, 32.3989

Square

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



36.1670, 26.6939, 13.6022



19.1544, 26.6939, 9.3999



16.9717, 26.6939, 53.2480



32.8070, 26.6939, 65.8796

Rectangle

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



36.1670, 26.6939, 13.6022



26.3047, 26.6939, 6.7952



16.9717, 26.6939, 53.2480



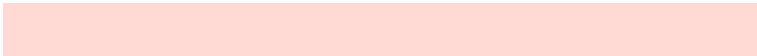
24.4611, 26.6939, 77.0444

Sweetspot

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



36.1676, 26.6953, 13.6027



78.0461, 75.9289, 72.5984



43.0095, 26.7725, 57.8306



16.3277, 15.7146, 14.7430



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.



36.1676, 26.6953, 13.6027



47.5213, 31.5617, 10.9940



45.2549, 44.8698, 16.6318



13.1993, 13.3380, 13.6044



17.6443, 9.5742, 0.9180



1.1905, 0.7152, 0.0753

Inverse Universe

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



37.6915, 48.6427, 73.0478



49.8180, 65.9632, 104.7142



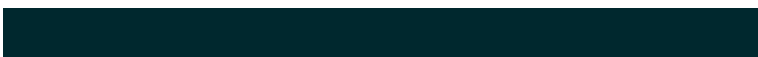
26.1943, 25.6483, 69.2154



13.2847, 14.5091, 16.7525



18.4273, 24.7240, 43.5394



1.2367, 1.6876, 2.8350

Previews

White Background



This preview shows how the XYZ color 36.1670, 26.6939, 13.6022 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 36.1670, 26.6939, 13.6022 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 36.1670, 26.6939, 13.6022

Background



This preview shows how black text looks on a background with the XYZ color 36.1670, 26.6939, 13.6022.



This preview shows how white text looks on a background with the XYZ color 36.1670, 26.6939,

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

36.1670, 26.6939, 13.6022

Protanopia

25.0753, 26.7658, 17.4804

Deuteranopia

27.2200, 26.6905, 12.9496



Tritanopia

37.2084, 26.6357, 19.0997

Trichromacy



Original Color

36.1670, 26.6939, 13.6022

Protanomaly

28.2361, 26.1350, 15.8683

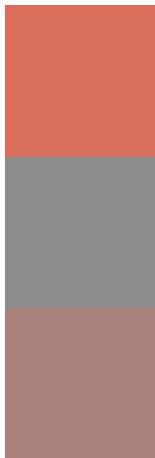
Deuteranomaly

30.0454, 26.3513, 13.1756

Tritanomaly

36.8775, 26.6712, 16.8401

Monochromacy



Original Color

36.1670, 26.6939, 13.6022

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.5739, 25.4554, 22.1990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1670, 26.6939, 13.6022 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(217, 110, 93)` looks like.

```
.text, #text, p{  
    color:rgb(217, 110, 93)  
}
```

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(217, 110, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 110, 93) }
```

Border

The CSS property to change the border of an element to XYZ 36.1670, 26.6939, 13.6022 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(217, 110, 93) }
```


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

```
.border{ border-color:rgb(217, 110, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 110, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 110, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 110, 93);  
box-shadow:4px 4px 4px 4px rgb(217, 110,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1670, 26.6939, 13.6022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 110, 93) }
```

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

```
.background{ background-color: rgb(217,  
110, 93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor