

Converting Colors

XYZ(40.7386, 35.7681, 6.5070)

Have a look what the booklet for
XYZ(40.7386, 35.7681, 6.5070)
contains.

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Color

**XYZ(40.7386, 35.7681,
6.5070)**

Conversions

Conversions Part 1

Format	Color
Hex	DF9025
RGB	223, 144, 37
RGB Percent	87%, 56%, 15%
CMY	0.1255, 0.4353, 0.8549
CMYK	0.00, 0.35, 0.83, 0.13
HSL	35°, 74%, 51%
HSV	35°, 83%, 87%
XYZ	40.7386, 35.7681, 6.5070
YIQ	155.4230, 81.4310, -16.5290

Conversions

Conversions Part 2

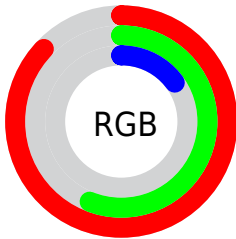
Format	Color
RYB	174, 223, 37
Decimal	14651429
CIELab	66.34, 22.06, 63.78
CIElCh	66, 67.485, 70.918
Yxy	35.7681, 0.4907, 0.4309
Android (android.graphics.Color)	4292841509 (0xFFDF9025)
YUV	155.4230, -58.3825, 59.2650
Hunter-Lab	59.8064, 16.9283, 35.4137

Details

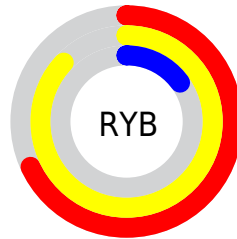
The XYZ color **40.7386, 35.7681, 6.5070** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **20.3272, 18.2110, 72.2551**, and the grayscale version is **31.5701, 33.2142, 36.1703**.

A 20% lighter version of the original color is **63.3659, 62.4209, 18.8339**, and **18.8146, 15.5101, 2.0021** is the 20% darker color. If you saturate the color by 10%, you get **39.1146, 32.9202, 4.7336**, and if you desaturate by 10%, it is **42.6980, 38.9458, 9.4460**.

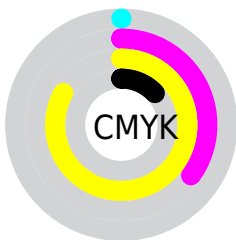
Distribution



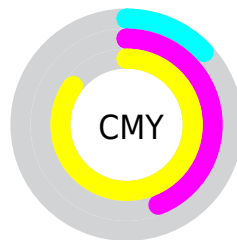
- Red (87%)
- Green (56%)
- Blue (15%)



- Red (68%)
- Yellow (87%)
- Blue (15%)



- Cyan (0%)
- Magenta (35%)
- Yellow (83%)
- Black (13%)





- Cyan (13%)
- Magenta (44%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7386, 35.7681, 6.5070 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 40.7386, 35.7681, 6.5070 by changing the saturation by 10% instead.


 40.7386, 35.7681,
6.5070


 40.7386, 35.7681,
6.5070


340.3082,
327.9458, 172.9744

 28.3017, 24.2551,
3.0820


 75.5641, 68.6740,
19.4700


 18.6948, 15.5230,
1.1367

 98.6834, 90.8357,
29.8451


 11.5526, 9.1873,
0.0000


 126.0942,
117.3158, 43.3741

 6.5099, 4.8635,
0.0000

 158.1619,
148.4987, 60.4753

 3.2011, 2.1674,
0.0000

 195.2518,
184.7687, 81.5674

 1.2610, 0.7021,
0.0000

 237.7292,

 0.1537, 0.0000,

226.5103, 107.0690

0.0000

285.9596,
274.1079, 137.3985

■ 0.0000, 0.0000,
0.0000

■ 40.7386, 35.7681,
6.5070

■ 40.7386, 35.7681,
6.5070

■ 39.1146, 32.9202,
4.7336

■ 42.6980, 38.9458,
9.4460

■ 38.1883, 31.2022,
4.0099

■ 45.0271, 42.4670,
13.7275

■ 47.7573, 46.3502,
19.5004

■ 50.9156, 50.6102,
26.8928

■ 54.5259, 55.2610,
36.0189

■ 58.6105, 60.3154,
46.9827

■ 63.1896, 65.7853,
59.8798

■ 68.2824, 71.6822,
74.7990

■ 73.9070, 78.0171,
91.8238

Harmonies

Analogous

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



50.8564, 35.7681, 12.7197



40.7386, 35.7681, 6.5070



30.4544, 35.7681, 5.9057

Triad

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



40.7386, 35.7681, 6.5070



18.2891, 35.7681, 50.4393



48.3452, 35.7681, 97.7917

Complementary

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



40.7386, 35.7681, 6.5070



20.3272, 18.2110, 72.2551

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.



37.8031, 35.7681, 122.8900



40.7386, 35.7681, 6.5070



21.3474, 35.7681, 87.8212

Square

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



40.7386, 35.7681, 6.5070



18.7659, 35.7681, 23.4640



28.0426, 35.7681, 118.5394



55.8133, 35.7681, 60.0700

Rectangle

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



40.7386, 35.7681, 6.5070



24.9745, 35.7681, 8.0883



28.0426, 35.7681, 118.5394



44.9653, 35.7681, 108.6628

Sweetspot

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



40.7394, 35.7699, 6.5077



78.3944, 80.4783, 60.8366



34.3392, 18.3098, 18.7400



16.3531, 16.7006, 11.8680



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.



40.7394, 35.7699, 6.5077



51.6273, 42.0346, 5.3924



53.4708, 66.6983, 11.8064



14.3587, 15.0034, 14.4459



22.5686, 18.5751, 2.3959



1.6525, 1.4639, 0.1955

Inverse Universe

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



20.3272, 18.2110, 72.2551



23.4441, 18.0083, 96.8480



15.2670, 7.3141, 70.4185



13.4282, 14.1955, 17.4199



10.3291, 8.1277, 42.0728



0.8033, 0.7380, 2.9454

Previews

White Background



This preview shows how the XYZ color 40.7386, 35.7681, 6.5070 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 40.7386, 35.7681, 6.5070 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 40.7386, 35.7681, 6.5070

Background



This preview shows how black text looks on a background with the XYZ color 40.7386, 35.7681, 6.5070.



This preview shows how white text looks on a background with the XYZ color 40.7386, 35.7681,

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

40.7386, 35.7681, 6.5070

Protanopia

32.6297, 35.9529, 7.4103

Deuteranopia

36.5538, 35.7241, 6.3354



Tritanopia

45.8722, 35.7218, 30.8628

Trichromacy



Original Color

40.7386, 35.7681, 6.5070

Protanomaly

35.1303, 35.4662, 7.0016

Deuteranomaly

38.0590, 35.7771, 6.4131

Tritanomaly

43.3168, 35.5278, 17.9391

Monochromacy



Original Color

40.7386, 35.7681, 6.5070

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.8136, 33.0064, 19.9706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7386, 35.7681, 6.5070 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(223, 144, 37)` looks like.

```
.text, #text, p{  
    color:rgb(223, 144, 37)  
}
```

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(223, 144, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 144, 37) }
```

Border

The CSS property to change the border of an element to XYZ 40.7386, 35.7681, 6.5070 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(223, 144, 37) }
```


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

```
.border{ border-color:rgb(223, 144, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 144, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 144, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 144, 37);  
box-shadow:4px 4px 4px 4px rgb(223, 144,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7386, 35.7681, 6.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 144, 37) }
```

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

```
.background{ background-color: rgb(223,  
144, 37) }
```

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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