

Converting Colors

XYZ(13.4083, 13.5799, 11.6185)

Have a look what the booklet for
XYZ(13.4083, 13.5799, 11.6185)
contains.

XYZ(13.4386, 13.6230, 11.5941)	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(13.4386, 13.6230,
11.5941)**

Conversions

Conversions Part 1

Format	Color
Hex	72655A
RGB	114, 101, 90
RGB Percent	45%, 40%, 35%
CMY	0.5529, 0.6039, 0.6471
CMYK	0.00, 0.11, 0.21, 0.55
HSL	28°, 12%, 40%
HSV	28°, 21%, 45%
XYZ	13.4386, 13.6230, 11.5941
YIQ	103.6330, 11.2790, -0.6650

Conversions

Conversions Part 2

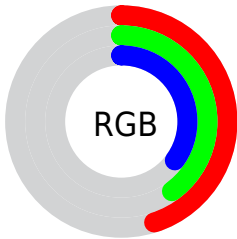
Format	Color
R_{YB}	114, 110, 90
Decimal	7497050
CIE _{Lab}	43.69, 3.21, 8.11
CIE _{LCh}	44, 8.724, 68.430
Yxy	13.6230, 0.3476, 0.3524
Android (android.graphics.Color)	4285687130 (0xFF72655A)
YUV	103.6330, -6.7211, 9.0919
Hunter-Lab	36.9093, 0.4000, 7.2122

Details

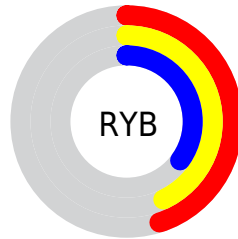
The XYZ color **13.4386, 13.6230, 11.5941** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1039, 13.0887, 17.8081**, and the grayscale version is **13.0757, 13.7566, 14.9810**.

A 20% lighter version of the original color is **31.6877, 32.4569, 29.4056**, and **4.0206, 3.9784, 2.9389** is the 20% darker color. If you saturate the color by 10%, you get **12.4131, 12.2899, 9.0391**, and if you desaturate by 10%, it is **14.5843, 15.0772, 14.5567**.

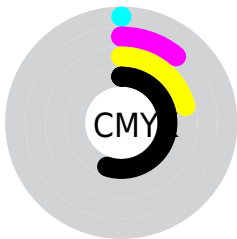
Distribution



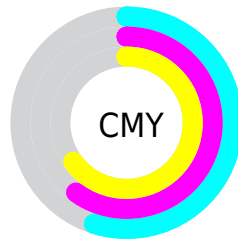
- Red (45%)
- Green (40%)
- Blue (35%)



- Red (45%)
- Yellow (43%)
- Blue (35%)



- Cyan (0%)
- Magenta (11%)
- Yellow (21%)
- Black (55%)



- Cyan (55%)
- Magenta (60%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4386, 13.6230, 11.5941 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 13.4386, 13.6230, 11.5941 by changing the saturation by 10% instead.

■ 13.4386, 13.6230,
11.5941

■ 13.4386, 13.6230,
11.5941

207.2911,
214.8727, 212.5809

■ 7.8103, 7.8589,
6.3488

■ 31.6842, 32.4186,
29.4069

■ 4.0246, 4.0048,
2.9861

■ 45.0322, 46.2189,
42.8115

■ 1.7161, 1.6763,
1.0875

■ 61.6842, 63.4667,
59.7728

■ 0.4663, 0.4082,
0.0000

■ 82.0055, 84.5465,
80.7096

■ 0.0000, 0.0000,
0.0000

106.3615,
109.8426, 106.0402

135.1175,

139.7394, 136.1833

168.6389,
174.6213, 171.5574

■ 13.4386, 13.6230,
11.5941

■ 13.4386, 13.6230,
11.5941

■ 12.4131, 12.2899,
9.0391

■ 14.5843, 15.0772,
14.5567

■ 11.5024, 11.0727,
6.8728

■ 15.8533, 16.6539,
17.9431

■ 10.7022, 9.9685,
5.0759

■ 17.2497, 18.3566,
21.7695

■ 10.0074, 8.9737,
3.6272

■ 18.7774, 20.1884,
26.0513

■ 9.4126, 8.0844,
2.5032

■ 20.4400, 22.1519,
30.8027

■ 8.9116, 7.2962,
1.6776

■ 22.2407, 24.2501,
36.0376

■ 8.4977, 6.6044,
1.1198

■ 24.1830, 26.4854,
41.7693

■ 8.1792, 6.0569,
0.7380

■ 26.2699, 28.8604,
48.0104

■ 28.5046, 31.3777,
54.7733

Harmonies

Analogous

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



14.0078, 13.6230, 12.6097



13.4386, 13.6230, 11.5941



12.7561, 13.6230, 11.4055

Triad

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



13.4386, 13.6230, 11.5941



11.6884, 13.6230, 15.3931



13.7844, 13.6230, 17.9891

Complementary

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



13.4386, 13.6230, 11.5941



12.1039, 13.0887, 17.8081

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.



13.1423, 13.6230, 18.8866



13.4386, 13.6230, 11.5941



11.9435, 13.6230, 17.3037

Square

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



13.4386, 13.6230, 11.5941



11.7615, 13.6230, 13.4890



12.4700, 13.6230, 18.6254



14.2123, 13.6230, 16.2638

Rectangle

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



13.4386, 13.6230, 11.5941



12.3312, 13.6230, 11.7567



12.4700, 13.6230, 18.6254



13.5856, 13.6230, 18.4042

Sweetspot

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



13.4390, 13.6236, 11.5944



26.6934, 27.8246, 28.3999



13.0540, 11.8732, 14.4886



6.1499, 6.4059, 6.5058



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.4390, 13.6236, 11.5944



22.7628, 22.8386, 18.2258



14.6678, 16.0814, 12.0040



3.4988, 3.6300, 3.5896



9.0885, 6.7094, 0.8160



44.4306, 31.7364, 3.7840

Inverse Universe

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



12.1039, 13.0887, 17.8081



19.9930, 21.7286, 31.1158



11.0121, 10.9052, 17.4442



3.3533, 3.5718, 4.2669



5.2660, 5.1222, 18.4328



25.3615, 23.7748, 91.5314

Previews

White Background



This preview shows how the XYZ color 13.4386, 13.6230, 11.5941 looks on a white 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

Black Background



This preview shows how the XYZ color 13.4386, 13.6230, 11.5941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

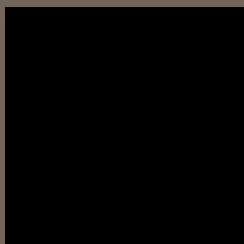
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4386, 13.6230, 11.5941

Background



This preview shows how black text looks on a background with the XYZ color 13.4386, 13.6230, 11.5941.



This preview shows how white text looks on a background with the XYZ color 13.4386, 13.6230,

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

13.4386, 13.6230, 11.5941

Protanopia

12.9229, 13.6440, 11.8500

Deuteranopia

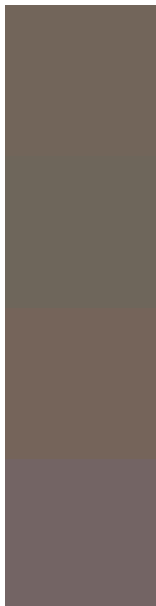
13.7785, 13.5134, 11.5550



Tritanopia

14.2658, 13.6773, 15.5238

Trichromacy



Original Color

13.4386, 13.6230, 11.5941

Protanomaly

13.0701, 13.5731, 11.8285

Deuteranomaly

13.7388, 13.6344, 11.5805

Tritanomaly

13.9277, 13.6793, 13.9629

Monochromacy



Original Color

13.4386, 13.6230, 11.5941

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2867, 13.7895, 13.7657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4386, 13.6230, 11.5941 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(114, 101, 90)` looks like.

```
.text, #text, p{  
    color:rgb(114, 101, 90)  
}
```

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(114, 101, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 101, 90) }
```

Border

The CSS property to change the border of an element to XYZ 13.4386, 13.6230, 11.5941 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(114, 101, 90) }
```


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

```
.border{ border-color:rgb(114, 101, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 101, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 101, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 101, 90);  
box-shadow:4px 4px 4px 4px rgb(114, 101,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4386, 13.6230, 11.5941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 101, 90) }
```

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

```
.background{ background-color: rgb(114,  
101, 90) }
```

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