

Converting Colors

XYZ(13.2300, 14.2220, 6.4627)

Have a look what the booklet for
XYZ(13.2300, 14.2220, 6.4627)
contains.

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Color

**XYZ(13.2300, 14.2220,
6.4627)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 75693D |
| RGB | 117, 105, 61 |
| RGB Percent | 46%, 41%, 24% |
| CMY | 0.5412, 0.5882, 0.7608 |
| CMYK | 0.00, 0.10, 0.48, 0.54 |
| HSL | 47°, 31%, 35% |
| HSV | 47°, 48%, 46% |
| XYZ | 13.2300, 14.2220, 6.4627 |
| YIQ | 103.5720, 21.2760, -11.1400 |

Conversions

Conversions Part 2

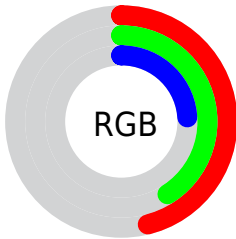
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 76, 117, 61 |
| Decimal | 7694653 |
| CIE Lab | 44.55, -1.86, 26.38 |
| CIE LCh | 45, 26.446, 94.042 |
| Yxy | 14.2220, 0.3901, 0.4193 |
| Android (android.graphics.Color) | 4285884733 (0xFF75693D) |
| YUV | 103.5720, -20.9880, 11.7764 |
| Hunter-Lab | 37.7121, -3.3754, 16.2379 |

Details

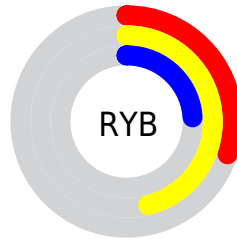
The XYZ color **13.2300, 14.2220, 6.4627** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.5178, 7.0413, 17.7924**, and the grayscale version is **13.0943, 13.7763, 15.0024**.

A 20% lighter version of the original color is **31.2263, 33.4271, 19.2743**, and **3.9213, 4.2568, 1.1052** is the 20% darker color. If you saturate the color by 10%, you get **12.6972, 13.6069, 4.8964**, and if you desaturate by 10%, it is **13.8398, 14.8810, 8.3944**.

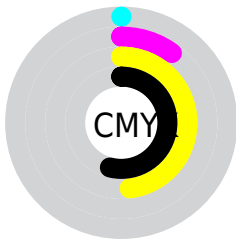
Distribution



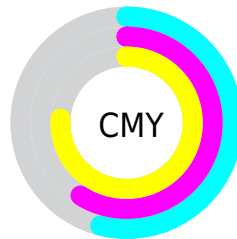
- Red (46%)
- Green (41%)
- Blue (24%)



- Red (30%)
- Yellow (46%)
- Blue (24%)



- Cyan (0%)
- Magenta (10%)
- Yellow (48%)
- Black (54%)





- Cyan (54%)
- Magenta (59%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2300, 14.2220, 6.4627 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 13.2300, 14.2220, 6.4627 by changing the saturation by 10% instead.


 13.2300, 14.2220,
6.4627


 13.2300, 14.2220,
6.4627


205.9944,
218.6076, 172.5793


 7.6652, 8.2752,
3.0551


 31.3142, 33.4824,
19.3780


 3.9315, 4.2716,
1.1228

 44.5643, 47.5649,
29.7227


 1.6634, 1.8266,
0.0000

 61.1069, 65.1280,
43.2170

 0.4332, 0.5037,
0.0000

 81.3073, 86.5562,
60.2792

 0.0000, 0.0000,
0.0000

 105.5309,
112.2338, 81.3281

 134.1431,

142.5453, 106.7820

167.5091,
177.8751, 137.0595

■ 13.2300, 14.2220,
6.4627

■ 13.2300, 14.2220,
6.4627

■ 12.6972, 13.6069,
4.8964

■ 13.8398, 14.8810,
8.3944

■ 12.2358, 13.0318,
3.6707

■ 14.5298, 15.5837,
10.7123

■ 11.8410, 12.4951,
2.7592

■ 15.3041, 16.3323,
13.4366

■ 11.5069, 11.9945,
2.1314

■ 16.1664, 17.1285,
16.5860

■ 11.2179, 11.5235,
1.7048

■ 17.1199, 17.9736,
20.1779

■ 11.1576, 11.4250,
1.6172

■ 18.1680, 18.8691,
24.2288

■ 19.3136, 19.8162,
28.7543

■ 20.5596, 20.8162,
33.7693

■ 21.9088, 21.8703,
39.2880

Harmonies

Analogous

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



15.3972, 14.2220, 7.1312



13.2300, 14.2220, 6.4627



11.3453, 14.2220, 7.6374

Triad

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



13.2300, 14.2220, 6.4627



10.3905, 14.2220, 23.0518



17.5591, 14.2220, 21.2289

Complementary

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



13.2300, 14.2220, 6.4627



7.5178, 7.0413, 17.7924

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.



15.9509, 14.2220, 27.4273



13.2300, 14.2220, 6.4627



11.7975, 14.2220, 28.6596

Square

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



13.2300, 14.2220, 6.4627



9.8189, 14.2220, 16.3298



13.8093, 14.2220, 30.4409



18.0449, 14.2220, 14.6705

Rectangle

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



13.2300, 14.2220, 6.4627



10.4567, 14.2220, 9.5519



13.8093, 14.2220, 30.4409



17.1241, 14.2220, 23.4746

Sweetspot

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



13.2303, 14.2227, 6.4630



27.9276, 29.7358, 25.9471



10.2120, 7.6023, 7.2559



6.3612, 6.7810, 5.7491



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.2303, 14.2227, 6.4630



22.6831, 24.3012, 8.6169



12.5854, 15.8339, 6.8080



3.9033, 4.1395, 3.9356



12.2820, 12.5652, 1.7780



59.2107, 59.9500, 8.4508

Inverse Universe

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



7.5178, 7.0413, 17.7924



11.1896, 9.8652, 31.4514



7.9296, 6.1942, 17.6072



3.5584, 3.7054, 4.6179



3.9120, 2.1637, 18.7540



18.5373, 9.4912, 91.2152

Previews

White Background



This preview shows how the XYZ color 13.2300, 14.2220, 6.4627 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 13.2300, 14.2220, 6.4627 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 13.2300, 14.2220, 6.4627

Background



This preview shows how black text looks on a background with the XYZ color 13.2300, 14.2220, 6.4627.



This preview shows how white text looks on a background with the XYZ color 13.2300, 14.2220,

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

13.2300, 14.2220, 6.4627

Protanopia

13.0963, 14.1531, 6.4564

Deuteranopia

14.4253, 14.2444, 6.5466



Tritanopia

15.2371, 14.3135, 15.8696

Trichromacy



Original Color

13.2300, 14.2220, 6.4627

Protanomaly

13.0963, 14.1531, 6.4564

Deuteranomaly

13.9331, 14.1356, 6.5515

Tritanomaly

14.3426, 14.2340, 11.6644

Monochromacy



Original Color

13.2300, 14.2220, 6.4627

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0184, 13.8564, 11.2209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2300, 14.2220, 6.4627 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(117, 105, 61)` looks like.

```
.text, #text, p{  
    color:rgb(117, 105, 61)  
}
```

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(117, 105, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 105, 61) }
```

Border

The CSS property to change the border of an element to XYZ 13.2300, 14.2220, 6.4627 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(117, 105, 61) }
```


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

```
.border{ border-color:rgb(117, 105, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 105, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 105, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 105, 61);  
box-shadow:4px 4px 4px 4px rgb(117, 105,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2300, 14.2220, 6.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 105, 61) }
```

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

```
.background{ background-color: rgb(117,  
105, 61) }
```

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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