

Converting Colors

XYZ(13.0959, 13.6942, 16.2926)

Have a look what the booklet for
XYZ(13.0959, 13.6942, 16.2926)
contains.

XYZ(13.0901, 13.6294, 16.4088)	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(13.0901, 13.6294,
16.4088)**

Conversions

Conversions Part 1

Format	Color
Hex	66676D
RGB	102, 103, 109
RGB Percent	40%, 40%, 43%
CMY	0.6000, 0.5961, 0.5725
CMYK	0.06, 0.06, 0.00, 0.57
HSL	231°, 3%, 41%
HSV	231°, 6%, 43%
XYZ	13.0901, 13.6294, 16.4088
YIQ	103.3850, -2.5220, 1.6540

Conversions

Conversions Part 2

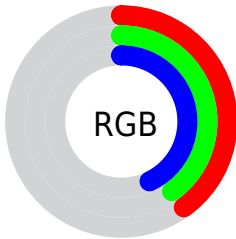
Format	Color
R_{YB}	102, 103, 109
Decimal	6711149
CIE Lab	43.70, 0.90, -3.51
CIE LCh	44, 3.618, 284.333
Yxy	13.6294, 0.3035, 0.3160
Android (android.graphics.Color)	4284901229 (0xFF66676D)
YUV	103.3850, 2.7682, -1.2146
Hunter-Lab	36.9180, -1.3154, -0.5098

Details

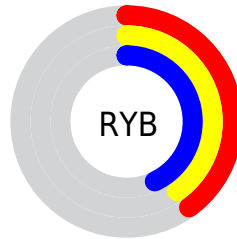
The XYZ color **13.0901, 13.6294, 16.4088** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.0676, 14.9357, 14.7122**, and the grayscale version is **12.9878, 13.6642, 14.8803**.

A 20% lighter version of the original color is **31.0376, 32.4216, 37.8798**, and **3.8592, 3.9884, 5.1239** is the 20% darker color. If you saturate the color by 10%, you get **11.0574, 11.2787, 16.0624**, and if you desaturate by 10%, it is **15.3899, 16.2727, 16.7980**.

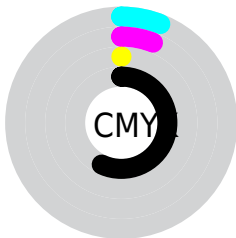
Distribution



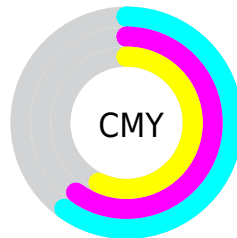
- Red (40%)
- Green (40%)
- Blue (43%)



- Red (40%)
- Yellow (40%)
- Blue (43%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (57%)



- Cyan (60%)
- Magenta (60%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0901, 13.6294, 16.4088 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 13.0901, 13.6294, 16.4088 by changing the saturation by 10% instead.

■ 13.0901, 13.6294,
16.4088

■ 13.0901, 13.6294,
16.4088

205.1202,
214.9130, 243.6695

■ 7.5680, 7.8634,
9.6564

■ 31.0655, 32.4300,
38.0831

■ 3.8693, 4.0076,
5.0691

■ 44.2495, 46.2333,
53.8420

■ 1.6285, 1.6778,
2.2284

■ 60.7183, 63.4846,
73.4403

■ 0.4108, 0.4092,
0.6907

■ 80.8371, 84.5681,
97.2963

■ 0.0000, 0.0000,
0.0000

104.9714,
109.8683, 125.8288

133.4864,

139.7696, 159.4561

166.7476,
174.6563, 198.5968

■ 13.0901, 13.6294,
16.4088

■ 13.0901, 13.6294,
16.4088

■ 11.0574, 11.2787,
16.0624

■ 15.3899, 16.2727,
16.7980

■ 9.2808, 9.2088,
15.7565

■ 17.9648, 19.2163,
17.2305

■ 7.7506, 7.4096,
15.4899

■ 20.8239, 22.4700,
17.7078

■ 6.4558, 5.8699,
15.2609

■ 23.9756, 26.0425,
18.2312

■ 5.3844, 4.5776,
15.0680

■ 27.4279, 29.9422,
18.8020

■ 4.5238, 3.5195,
14.9091

■ 31.1885, 34.1771,
19.4212

■ 3.8596, 2.6815,
14.7823

■ 35.2649, 38.7550,
20.0900

■ 3.3759, 2.0475,
14.6855

■ 39.6641, 43.6834,
20.8094

■ 3.0409, 1.5927,
14.6153

■ 44.3931, 48.9698,
21.5805

Harmonies

Analogous

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



12.8073, 13.6294, 16.3987



13.0901, 13.6294, 16.4088



13.3400, 13.6294, 15.9880

Triad

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



13.0901, 13.6294, 16.4088



13.3492, 13.6294, 13.7730



12.4352, 13.6294, 14.4214

Complementary

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



13.0901, 13.6294, 16.4088



14.0676, 14.9357, 14.7122

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.



12.5762, 13.6294, 13.7485



13.0901, 13.6294, 16.4088



13.1025, 13.6294, 13.3835

Square

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



13.0901, 13.6294, 16.4088



13.4911, 13.6294, 14.4560



12.8195, 13.6294, 13.3747



12.4320, 13.6294, 15.2309

Rectangle

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



13.0901, 13.6294, 16.4088



13.4532, 13.6294, 15.5284



12.8195, 13.6294, 13.3747



12.4680, 13.6294, 14.1724

Sweetspot

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



13.0905, 13.6300, 16.4091



25.1782, 26.4070, 29.6773



13.6525, 14.8440, 16.3192



5.8752, 6.1635, 6.9088



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.0905, 13.6300, 16.4091



22.7501, 23.6102, 29.2654



13.2733, 13.5773, 16.3893



2.9801, 3.0886, 3.8740



3.4255, 1.6854, 17.0670



17.0521, 7.7828, 86.8297

Inverse Universe

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



13.5066, 13.7336, 14.7716



23.6943, 23.8493, 25.5484



13.8766, 14.9948, 14.7337



3.1158, 3.1232, 3.3400



7.4759, 3.8425, 0.8688



37.8899, 19.4979, 3.3571

Previews

White Background



This preview shows how the XYZ color 13.0901, 13.6294, 16.4088 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 13.0901, 13.6294, 16.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

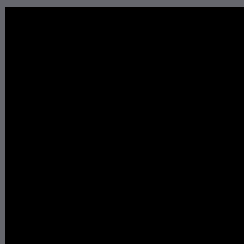
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

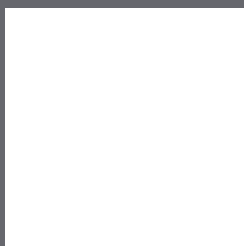
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0901, 13.6294, 16.4088

Background



This preview shows how black text looks on a background with the XYZ color 13.0901, 13.6294, 16.4088.



This preview shows how white text looks on a background with the XYZ color 13.0901, 13.6294,

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

13.0901, 13.6294, 16.4088

Protanopia

13.2041, 13.6882, 16.4142

Deuteranopia

13.8021, 13.5551, 16.6408



Tritanopia

13.1990, 13.6730, 16.9824

Trichromacy



Original Color

13.0901, 13.6294, 16.4088

Protanomaly

13.2041, 13.6882, 16.4142

Deuteranomaly

13.5316, 13.5589, 16.6558

Tritanomaly

13.1442, 13.6511, 16.6940

Monochromacy



Original Color

13.0901, 13.6294, 16.4088

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9936, 13.6040, 15.3056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0901, 13.6294, 16.4088 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(102, 103, 109)` looks like.

```
.text, #text, p{  
    color:rgb(102, 103, 109)  
}
```

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(102, 103, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 103, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.0901, 13.6294, 16.4088 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(102, 103, 109) }
```


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

```
.border{ border-color:rgb(102, 103, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 103, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 103, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 103, 109);  
box-shadow:4px 4px 4px 4px rgb(102, 103,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0901, 13.6294, 16.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 103, 109) }
```

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

```
.background{ background-color: rgb(102,  
103, 109) }
```

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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