

Converting Colors

XYZ(13.7616, 15.4223, 16.2489)

Have a look what the booklet for
XYZ(13.7616, 15.4223, 16.2489)
contains.

XYZ(13.7035, 15.3592, 16.1523)	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(13.7035, 15.3592,
16.1523)**

Conversions

Conversions Part 1

Format	Color
Hex	64706B
RGB	100, 112, 107
RGB Percent	39%, 44%, 42%
CMY	0.6078, 0.5608, 0.5804
CMYK	0.11, 0.00, 0.04, 0.56
HSL	155°, 6%, 42%
HSV	155°, 11%, 44%
XYZ	13.7035, 15.3592, 16.1523
YIQ	107.8420, -5.5470, -4.0990

Conversions

Conversions Part 2

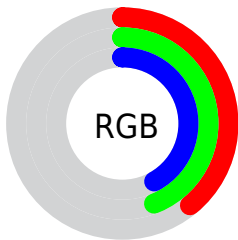
Format	Color
R_{YB}	100, 108, 112
Decimal	6582379
CIE Lab	46.12, -5.59, 1.23
CIE LCh	46, 5.722, 167.549
Yxy	15.3592, 0.3031, 0.3397
Android (android.graphics.Color)	4284772459 (0xFF64706B)
YUV	107.8420, -0.4151, -6.8774
Hunter-Lab	39.1908, -6.1694, 2.9975

Details

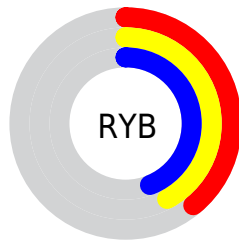
The XYZ color **13.7035, 15.3592, 16.1523** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7896, 13.5793, 15.2595**, and the grayscale version is **14.2122, 14.9523, 16.2831**.

A 20% lighter version of the original color is **32.2095, 35.5989, 37.5214**, and **4.1172, 4.7499, 4.9748** is the 20% darker color. If you saturate the color by 10%, you get **12.3100, 14.6689, 14.8398**, and if you desaturate by 10%, it is **15.2815, 16.1440, 17.5433**.

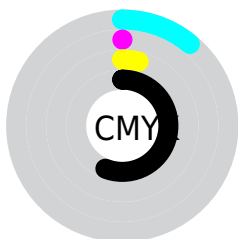
Distribution



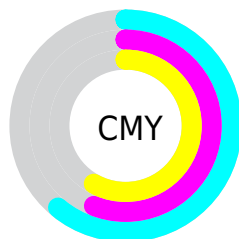
- Red (39%)
- Green (44%)
- Blue (42%)



- Red (39%)
- Yellow (42%)
- Blue (44%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (56%)



- Cyan (61%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7035, 15.3592, 16.1523 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 13.7035, 15.3592, 16.1523 by changing the saturation by 10% instead.

■ 13.7035, 15.3592,
16.1523

■ 13.7035, 15.3592,
16.1523

208.9261,
225.5302, 242.1151

■ 7.9951, 9.0719,
9.4765

■ 32.1527, 35.4821,
37.6329

■ 4.1436, 4.7881,
4.9522

■ 45.6241, 50.0865,
53.2747

■ 1.7837, 2.1235,
2.1610

■ 62.4139, 68.2320,
72.7422

■ 0.5078, 0.6778,
0.6517

■ 82.8875, 90.3030,
96.4541

■ 0.0000, 0.0000,
0.0000

107.4101,
116.6839, 124.8287

136.3472,

147.7592, 158.2848

170.0641,
183.9131, 197.2407

■ 13.7035, 15.3592,
16.1523

■ 13.7035, 15.3592,
16.1523

■ 12.3100, 14.6689,
14.8398

■ 15.2815, 16.1440,
17.5433

■ 11.0925, 14.0673,
13.6033

■ 17.0494, 17.0246,
19.0132

■ 10.0440, 13.5514,
12.4418

■ 19.0139, 18.0051,
20.5635

■ 9.1561, 13.1169,
11.3537

■ 21.1813, 19.0886,
22.1957

■ 8.4202, 12.7592,
10.3375

■ 23.5572, 20.2779,
23.9109

■ 7.8264, 12.4734,
9.3914

■ 26.1472, 21.5759,
25.7105

■ 7.3637, 12.2538,
8.5138

■ 28.9566, 22.9854,
27.5955

■ 7.0194, 12.0940,
7.7027

■ 31.9907, 24.5091,
29.5672

■ 6.7581, 11.9744,
7.0059

■ 35.2544, 26.1494,
31.6268

Harmonies

Analogous

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



13.9187, 15.3592, 14.9789



13.7035, 15.3592, 16.1523



13.7242, 15.3592, 17.5448

Triad

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



13.7035, 15.3592, 16.1523



14.8825, 15.3592, 19.4116



15.2393, 15.3592, 14.8228

Complementary

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



13.7035, 15.3592, 16.1523



13.7896, 13.5793, 15.2595

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.



15.5091, 15.3592, 15.9283



13.7035, 15.3592, 16.1523



15.3000, 15.3592, 18.5987

Square

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



13.7035, 15.3592, 16.1523



14.3976, 15.3592, 19.4798



15.5316, 15.3592, 17.3081



14.8012, 15.3592, 14.2404

Rectangle

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



13.7035, 15.3592, 16.1523



13.8689, 15.3592, 18.4109



15.5316, 15.3592, 17.3081



15.3531, 15.3592, 15.1426

Sweetspot

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



13.7039, 15.3598, 16.1526



26.1601, 28.0191, 30.2282



13.9441, 15.5245, 14.3183



6.2366, 6.7075, 7.2203



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.



13.7039, 15.3598, 16.1526



23.3999, 26.6480, 27.7564



13.8869, 15.2924, 17.5498



3.4190, 3.7928, 4.0127



7.8009, 13.8379, 8.0383



38.4226, 68.7577, 37.7403

Inverse Universe

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



13.7896, 13.5793, 15.2595



23.5840, 22.8202, 25.8365



13.6170, 13.6337, 13.9706



3.4368, 3.4224, 3.8269



8.2995, 4.2122, 3.3871



40.9335, 20.8187, 14.7140

Previews

White Background



This preview shows how the XYZ color 13.7035, 15.3592, 16.1523 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 13.7035, 15.3592, 16.1523 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

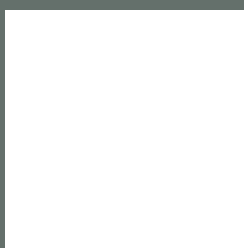
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7035, 15.3592, 16.1523

Background



This preview shows how black text looks on a background with the XYZ color 13.7035, 15.3592, 16.1523.



This preview shows how white text looks on a background with the XYZ color 13.7035, 15.3592,

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

13.7035, 15.3592, 16.1523

Protanopia

14.7005, 15.4019, 15.5627

Deuteranopia

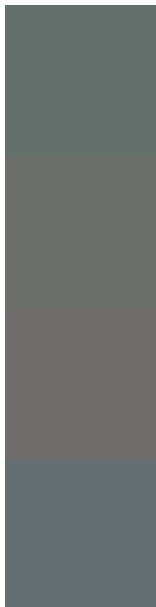
15.6065, 15.3838, 16.3342



Tritanopia

14.3852, 15.3086, 19.6494

Trichromacy



Original Color

13.7035, 15.3592, 16.1523

Protanomaly

14.3618, 15.3806, 15.8475

Deuteranomaly

14.8794, 15.3185, 16.3599

Tritanomaly

14.1458, 15.3734, 18.4415

Monochromacy



Original Color

13.7035, 15.3592, 16.1523

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0011, 15.0232, 16.3492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7035, 15.3592, 16.1523 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(100, 112, 107)` looks like.

```
.text, #text, p{  
    color:rgb(100, 112, 107)  
}
```

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(100, 112, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 112, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.7035, 15.3592, 16.1523 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(100, 112, 107) }
```


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

```
.border{ border-color:rgb(100, 112, 107) }
```

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

Here you see how a box with a 4 pixel rgb(100, 112, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 112, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 112, 107);  
box-shadow:4px 4px 4px 4px rgb(100, 112,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7035, 15.3592, 16.1523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 112, 107) }
```

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

```
.background{ background-color: rgb(100,  
112, 107) }
```

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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