

Converting Colors

XYZ(15.1984, 13.3415, 33.6724)

Have a look what the booklet for
XYZ(15.1984, 13.3415, 33.6724)
contains.

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Color

**XYZ(15.1984, 13.3415,
33.6724)**

Conversions

Conversions Part 1

Format	Color
Hex	61609D
RGB	97, 96, 157
RGB Percent	38%, 38%, 62%
CMY	0.6196, 0.6235, 0.3843
CMYK	0.38, 0.39, 0.00, 0.38
HSL	241°, 24%, 50%
HSV	241°, 39%, 62%
XYZ	15.1984, 13.3415, 33.6724
YIQ	103.2530, -18.9850, 19.1830

Conversions

Conversions Part 2

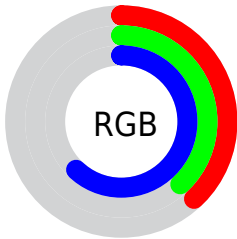
Format	Color
R_{YB}	97, 96, 157
Decimal	6381725
CIE _{Lab}	43.27, 15.90, -33.05
CIE _{LCh}	43, 36.679, 295.688
Yxy	13.3415, 0.2443, 0.2145
Android (android.graphics.Color)	4284571805 (0xFF61609D)
YUV	103.2530, 26.4973, -5.4839
Hunter-Lab	36.5260, 10.3529, -29.0897

Details

The XYZ color **15.1984, 13.3415, 33.6724** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.8790, 32.0267, 15.7793**, and the grayscale version is **12.8951, 13.5667, 14.7741**.

A 20% lighter version of the original color is **34.7402, 31.7953, 66.5934**, and **4.8171, 3.8820, 13.8600** is the 20% darker color. If you saturate the color by 10%, you get **12.4181, 9.9902, 33.1723**, and if you desaturate by 10%, it is **18.5860, 17.4311, 34.2835**.

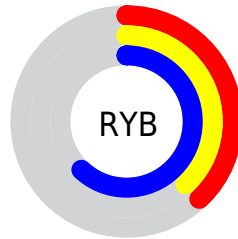
Distribution



Red (38%)

Green (38%)

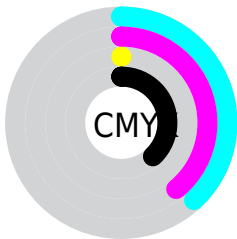
Blue (62%)



Red (38%)

Yellow (38%)

Blue (62%)

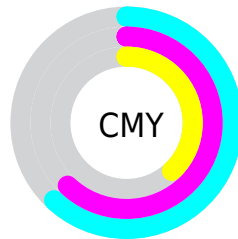


Cyan (38%)

Magenta (39%)

Yellow (0%)

Black (38%)



Cyan (62%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1984, 13.3415, 33.6724 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 15.1984, 13.3415, 33.6724 by changing the saturation by 10% instead.

■ 15.1984, 13.3415,
33.6724

■ 15.1984, 13.3415,
33.6724

217.9286,
213.0948, 333.3933

■ 9.0460, 7.6641,
22.3667

■ 34.7697, 31.9160,
66.5520

■ 4.8285, 3.8808,
13.9257

■ 48.9192, 45.5818,
88.9629

■ 2.1807, 1.6071,
7.9309

■ 66.4652, 62.6793,
115.9127

■ 0.7326, 0.3624,
3.9636

■ 87.7729, 83.5928,
147.8199

■ 0.0000, 0.0000,
1.6054

113.2077,
108.7067, 185.1030

■ 0.0000, 0.0000,
0.2947

143.1351,

■ 0.0000, 0.0000,

138.4054, 228.1806

0.0000

177.9202,
173.0733, 277.4712

■ 15.1984, 13.3415,
33.6724

■ 15.1984, 13.3415,
33.6724

■ 12.4181, 9.9902,
33.1723

■ 18.5860, 17.4311,
34.2835

■ 10.2080, 7.3317,
32.7757

■ 22.6125, 22.2977,
35.0106

■ 8.5289, 5.3181,
32.4755

■ 27.3087, 27.9792,
35.8597

■ 7.3363, 3.8947,
32.2636

■ 32.7032, 34.5105,
36.8361

■ 6.5784, 2.9975,
32.1304

■ 38.8229, 41.9245,
37.9446

■ 6.1598, 2.5015,
32.0567

■ 45.6932, 50.2523,
39.1899

■ 6.1181, 2.4509,
32.0491

■ 53.3386, 59.5237,
40.5765

■ 61.7819, 69.7668,
42.1086

■ 71.0455, 81.0088,
43.7903

Harmonies

Analogous

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



12.2744, 13.3415, 36.3713



15.1984, 13.3415, 33.6724



17.7478, 13.3415, 25.2477

Triad

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



15.1984, 13.3415, 33.6724



16.0152, 13.3415, 5.0589



7.9772, 13.3415, 13.3820

Complementary

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



15.1984, 13.3415, 33.6724



27.8790, 32.0267, 15.7793

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.



8.6835, 13.3415, 7.3732



15.1984, 13.3415, 33.6724



13.0958, 13.3415, 3.8458

Square

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



15.1984, 13.3415, 33.6724



18.2666, 13.3415, 8.7468



10.4576, 13.3415, 4.4987



8.3683, 13.3415, 22.4159

Rectangle

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



15.1984, 13.3415, 33.6724



18.7429, 13.3415, 18.7465



10.4576, 13.3415, 4.4987



8.0908, 13.3415, 10.9929

Sweetspot

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



15.1989, 13.3420, 33.6727



45.9276, 46.5025, 63.6820



22.9670, 29.0354, 36.2924



9.8852, 9.9653, 13.9729



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.1989, 13.3420, 33.6727



22.6663, 18.4053, 59.4847



18.9472, 15.2743, 33.8481



6.2943, 6.4402, 8.3180



4.9721, 1.9922, 26.0297



0.0915, 0.0370, 0.4655

Inverse Universe

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



24.0886, 17.9347, 33.6451



40.9886, 27.8724, 59.3633



22.8468, 29.4325, 15.5438



6.8995, 6.7527, 8.3217



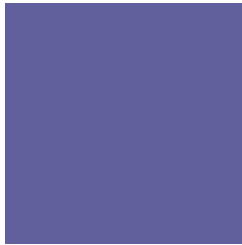
16.0607, 7.7289, 25.6345



0.2885, 0.1387, 0.4654

Previews

White Background



This preview shows how the XYZ color 15.1984, 13.3415, 33.6724 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 15.1984, 13.3415, 33.6724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

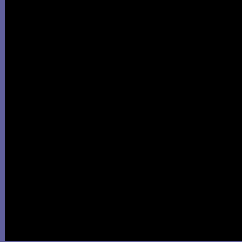
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1984, 13.3415, 33.6724

Background



This preview shows how black text looks on a background with the XYZ color 15.1984, 13.3415, 33.6724.

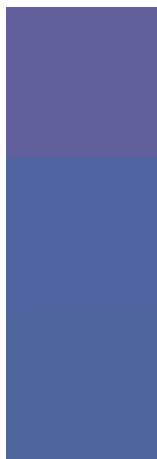


This preview shows how white text looks on a background with the XYZ color 15.1984, 13.3415,

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

15.1984, 13.3415, 33.6724

Protanopia

14.2985, 13.3930, 35.5497

Deuteranopia

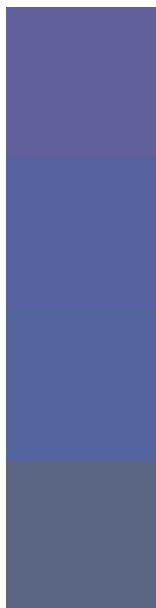
13.7326, 13.4395, 33.3228



Tritanopia

12.0193, 13.3443, 17.8618

Trichromacy



Original Color

15.1984, 13.3415, 33.6724

Protanomaly

14.6448, 13.4402, 35.0801

Deuteranomaly

14.2141, 13.3995, 33.2897

Tritanomaly

13.0950, 13.3386, 23.0035

Monochromacy



Original Color

15.1984, 13.3415, 33.6724

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.4992, 13.3111, 20.5967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1984, 13.3415, 33.6724 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(97, 96, 157) looks like.

```
.text, #text, p{  
    color:rgb(97, 96, 157)  
}
```

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(97, 96, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 96, 157) }
```

Border

The CSS property to change the border of an element to XYZ 15.1984, 13.3415, 33.6724 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(97, 96, 157) }
```


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

```
.border{ border-color:rgb(97, 96, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 96, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 96, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 96, 157);  
box-shadow:4px 4px 4px 4px rgb(97, 96,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1984, 13.3415, 33.6724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 96, 157) }
```

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

```
.background{ background-color: rgb(97, 96,  
157) }
```

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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