

Converting Colors

XYZ(13.1477, 14.6989, 37.7605)

Have a look what the booklet for
XYZ(13.1477, 14.6989, 37.7605)
contains.

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Color

**XYZ(13.1755, 14.7737,
37.7545)**

Conversions

Conversions Part 1

Format	Color
Hex	1C71A5
RGB	28, 113, 165
RGB Percent	11%, 44%, 65%
CMY	0.8902, 0.5569, 0.3529
CMYK	0.83, 0.32, 0.00, 0.35
HSL	203°, 71%, 38%
HSV	203°, 83%, 65%
XYZ	13.1755, 14.7737, 37.7545
YIQ	93.5130, -67.3520, -1.8480

Conversions

Conversions Part 2

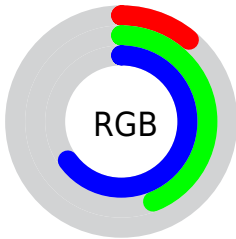
Format	Color
R _Y B	28, 80, 165
Decimal	1864101
CIE Lab	45.32, -5.55, -34.78
CIE LCh	45, 35.219, 260.929
Yxy	14.7737, 0.2005, 0.2249
Android (android.graphics.Color)	4280054181 (0xFF1C71A5)
YUV	93.5130, 35.2431, -57.4549
Hunter-Lab	38.4366, -6.0768, -31.3323

Details

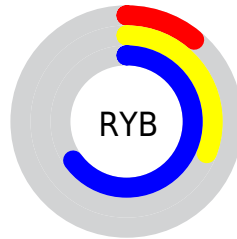
The XYZ color **13.1755, 14.7737, 37.7545** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **18.5964, 13.8223, 2.7872**, and the grayscale version is **10.4567, 11.0013, 11.9804**.

A 20% lighter version of the original color is **31.3032, 34.6190, 72.7424**, and **4.9289, 5.0887, 16.3452** is the 20% darker color. If you saturate the color by 10%, you get **12.1669, 13.2521, 37.5143**, and if you desaturate by 10%, it is **14.4808, 16.5202, 38.0231**.

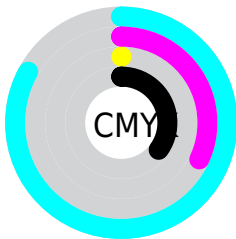
Distribution



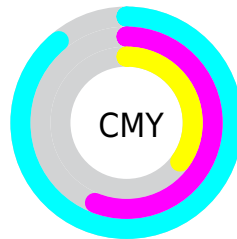
- Red (11%)
- Green (44%)
- Blue (65%)



- Red (11%)
- Yellow (31%)
- Blue (65%)



- Cyan (83%)
- Magenta (32%)
- Yellow (0%)
- Black (35%)



- Cyan (89%)
- Magenta (56%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1755, 14.7737, 37.7545 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 13.1755, 14.7737, 37.7545 by changing the saturation by 10% instead.

■ 13.1755, 14.7737,
37.7545

■ 13.1755, 14.7737,
37.7545

205.6543,
221.9924, 351.8322

■ 7.6273, 8.6607,
25.4919

■ 31.2174, 34.4557,
72.9309

■ 3.9072, 4.5205,
16.2215

■ 44.4418, 48.7935,
96.6818

■ 1.6498, 1.9688,
9.5250

■ 60.9556, 66.6417,
125.0992

■ 0.4245, 0.5893,
4.9837

■ 81.1243, 88.3847,
158.6016

■ 0.0000, 0.0000,
2.1791

■ 105.3132,
114.4068, 197.6075

■ 0.0000, 0.0000,
0.6623

■ 133.8876,

■ 0.0000, 0.0000,

145.0926, 242.5356

0.0000

167.2128,
180.8263, 293.8043

■ 13.1755, 14.7737,
37.7545

■ 13.1755, 14.7737,
37.7545

■ 12.1669, 13.2521,
37.5143

■ 14.4808, 16.5202,
38.0231

■ 11.5792, 12.2919,
37.3599

■ 16.1174, 18.5103,
38.3210

■ 18.1166, 20.7617,
38.6502

■ 20.5052, 23.2894,
39.0122

■ 23.3073, 26.1074,
39.4084

■ 26.5450, 29.2281,
39.8401

■ 30.2387, 32.6632,
40.3085

■ 34.4075, 36.4239,
40.8147

■ 39.0691, 40.5205,
41.3597

Harmonies

Analogous

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



10.7930, 14.7737, 32.0722



13.1755, 14.7737, 37.7545



16.1439, 14.7737, 36.2567

Triad

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



13.1755, 14.7737, 37.7545



19.9642, 14.7737, 10.9999



10.1195, 14.7737, 7.9325

Complementary

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



13.1755, 14.7737, 37.7545



18.5964, 13.8223, 2.7872

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.



12.1308, 14.7737, 5.2585



13.1755, 14.7737, 37.7545



17.8851, 14.7737, 6.5551

Square

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



13.1755, 14.7737, 37.7545



20.3461, 14.7737, 18.7558



14.9456, 14.7737, 4.8610



9.1965, 14.7737, 13.6825

Rectangle

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



13.1755, 14.7737, 37.7545



18.0495, 14.7737, 31.5442



14.9456, 14.7737, 4.8610



10.6764, 14.7737, 6.7411

Sweetspot

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



13.1761, 14.7742, 37.7549



46.0542, 50.9331, 71.1561



15.3183, 27.7111, 11.7945



9.6420, 10.7254, 15.4995



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



13.1761, 14.7742, 37.7549



20.5359, 21.6108, 66.8413



8.2586, 4.9394, 36.1157



7.0492, 7.5573, 8.9902



8.8090, 9.3973, 28.2794



0.2285, 0.2842, 0.6087

Inverse Universe

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



18.9134, 10.0227, 16.5609



32.0161, 16.0167, 23.5553



26.1196, 28.8686, 5.2949



7.2498, 7.1564, 8.3018



13.5918, 6.7928, 10.3071



0.3075, 0.1515, 0.3319

Previews

White Background



This preview shows how the XYZ color 13.1755, 14.7737, 37.7545 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 13.1755, 14.7737, 37.7545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

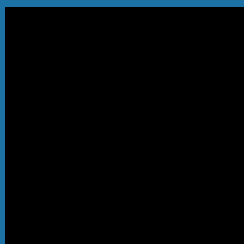
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

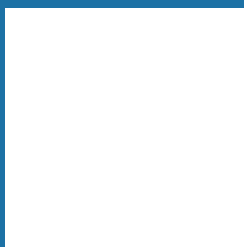
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1755, 14.7737, 37.7545

Background



This preview shows how black text looks on a background with the XYZ color 13.1755, 14.7737, 37.7545.



This preview shows how white text looks on a background with the XYZ color 13.1755, 14.7737,

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

13.1755, 14.7737, 37.7545

Protanopia

15.3430, 14.6956, 34.3756

Deuteranopia

15.1344, 14.8013, 38.6185



Tritanopia

10.4931, 14.7522, 22.7165

Trichromacy



Original Color

13.1755, 14.7737, 37.7545

Protanomaly

14.1103, 14.4916, 35.7717

Deuteranomaly

14.0965, 14.5900, 38.1496

Tritanomaly

11.2942, 14.7102, 27.4434

Monochromacy



Original Color

13.1755, 14.7737, 37.7545

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.5696, 11.9655, 19.5218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1755, 14.7737, 37.7545 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(28, 113, 165)` looks like.

```
.text, #text, p{  
    color:rgb(28, 113, 165)  
}
```

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(28, 113, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 113, 165) }
```

Border

The CSS property to change the border of an element to XYZ 13.1755, 14.7737, 37.7545 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(28, 113, 165) }
```


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

```
.border{ border-color:rgb(28, 113, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 113, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 113, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 113, 165);  
box-shadow:4px 4px 4px 4px rgb(28, 113,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1755, 14.7737, 37.7545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 113, 165) }
```

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

```
.background{ background-color: rgb(28, 113,  
165) }
```

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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