

Converting Colors

XYZ(13.7984, 12.9385, 28.1980)

Have a look what the booklet for
XYZ(13.7984, 12.9385, 28.1980)
contains.

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Color

**XYZ(13.7224, 12.8383,
28.1404)**

Conversions

Conversions Part 1

Format	Color
Hex	5C6190
RGB	92, 97, 144
RGB Percent	36%, 38%, 56%
CMY	0.6392, 0.6196, 0.4353
CMYK	0.36, 0.33, 0.00, 0.44
HSL	234°, 22%, 46%
HSV	234°, 36%, 56%
XYZ	13.7224, 12.8383, 28.1404
YIQ	100.8630, -18.0670, 13.5570

Conversions

Conversions Part 2

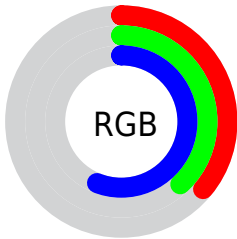
Format	Color
RYB	92, 97, 144
Decimal	6054288
CIELab	42.52, 10.07, -26.50
CIELCh	43, 28.349, 290.799
Yxy	12.8383, 0.2509, 0.2347
Android (android.graphics.Color)	4284244368 (0xFF5C6190)
YUV	100.8630, 21.2665, -7.7729
Hunter-Lab	35.8306, 5.6585, -21.4834

Details

The XYZ color **13.7224, 12.8383, 28.1404** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.6665, 25.1679, 13.7891**, and the grayscale version is **12.2850, 12.9247, 14.0750**.

A 20% lighter version of the original color is **32.1284, 30.8739, 57.6920**, and **4.1559, 3.6716, 10.8456** is the 20% darker color. If you saturate the color by 10%, you get **11.3128, 9.9551, 27.7111**, and if you desaturate by 10%, it is **16.6037, 16.2582, 28.6489**.

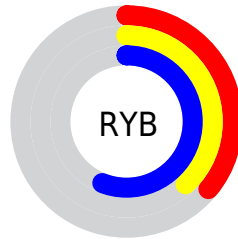
Distribution



Red (36%)

Green (38%)

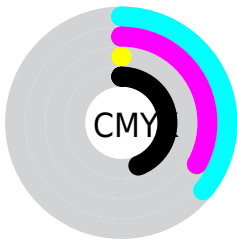
Blue (56%)



Red (36%)

Yellow (38%)

Blue (56%)

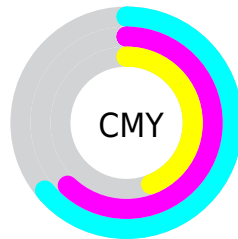


Cyan (36%)

Magenta (33%)

Yellow (0%)

Black (44%)



Cyan (64%)

Magenta (62%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7224, 12.8383, 28.1404 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 13.7224, 12.8383, 28.1404 by changing the saturation by 10% instead.

■ 13.7224, 12.8383,
28.1404

■ 13.7224, 12.8383,
28.1404

209.0423,
209.8787, 307.0702

■ 8.0083, 7.3173,
18.1916

■ 32.1860, 31.0130,
57.7343

■ 4.1521, 3.6613,
10.9167

■ 45.6663, 44.4354,
78.2165

■ 1.7885, 1.4860,
5.8974

■ 62.4659, 61.2605,
103.0468

■ 0.5107, 0.2788,
2.7150

■ 82.9502, 81.8726,
132.6439

■ 0.0000, 0.0000,
0.9510

107.4847,
106.6560, 167.4262

■ 0.0000, 0.0000,
0.0000

136.4346,

135.9953, 207.8123

170.1654,
170.2747, 254.2208

■ 13.7224, 12.8383,
28.1404

■ 13.7224, 12.8383,
28.1404

■ 11.3128, 9.9551,
27.7111

■ 16.6037, 16.2582,
28.6489

■ 9.3483, 7.5798,
27.3562

■ 19.9787, 20.2385,
29.2393

■ 7.8020, 5.6832,
27.0716

■ 23.8695, 24.8034,
29.9153

■ 6.6432, 4.2327,
26.8527

■ 28.2965, 29.9754,
30.6803

■ 5.8371, 3.1913,
26.6942

■ 33.2790, 35.7754,
31.5372

■ 5.3355, 2.5124,
26.5896

■ 38.8355, 42.2236,
32.4890

■ 5.1890, 2.3235,
26.5608

■ 44.9833, 49.3393,
33.5384

■ 51.7394, 57.1409,
34.6882

■ 59.1197, 65.6462,
35.9409

Harmonies

Analogous

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



11.5563, 12.8383, 29.1343



13.7224, 12.8383, 28.1404



15.6764, 12.8383, 22.8270

Triad

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



13.7224, 12.8383, 28.1404



14.9919, 12.8383, 6.6916



8.5750, 12.8383, 12.1779

Complementary

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



13.7224, 12.8383, 28.1404



22.6665, 25.1679, 13.7891

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.



9.2838, 12.8383, 7.7756



13.7224, 12.8383, 28.1404



12.8722, 12.8383, 5.2752

Square

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



13.7224, 12.8383, 28.1404



16.4668, 12.8383, 10.1983



10.7990, 12.8383, 5.6036



8.7462, 12.8383, 18.5940

Rectangle

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



13.7224, 12.8383, 28.1404



16.5148, 12.8383, 18.2232



10.7990, 12.8383, 5.6036



8.7148, 12.8383, 10.4505

Sweetspot

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



13.7229, 12.8388, 28.1407



38.4730, 39.4966, 52.1339



19.0329, 24.0804, 27.9947



8.6366, 8.8390, 11.9231



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.7229, 12.8388, 28.1407



20.8302, 18.6119, 49.0326



15.6461, 13.1660, 28.1025



5.1687, 5.3333, 6.7858



4.5276, 2.0412, 23.1324



0.0499, 0.0327, 0.2234

Inverse Universe

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



17.4869, 14.4472, 13.1766



28.4770, 21.9981, 18.6054



20.1025, 24.9453, 13.8813



5.4286, 5.4320, 5.7553



10.0884, 5.1924, 0.8510



0.0998, 0.0510, 0.0257

Previews

White Background



This preview shows how the XYZ color 13.7224, 12.8383, 28.1404 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 13.7224, 12.8383, 28.1404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

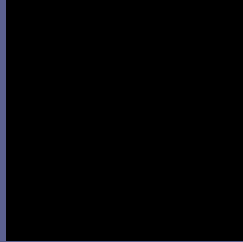
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7224, 12.8383, 28.1404

Background



This preview shows how black text looks on a background with the XYZ color 13.7224, 12.8383, 28.1404.

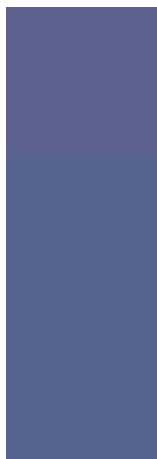


This preview shows how white text looks on a background with the XYZ color 13.7224, 12.8383,

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

13.7224, 12.8383, 28.1404

Protanopia

13.3190, 12.8993, 28.5759

Deuteranopia

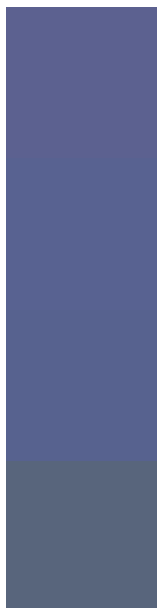
13.0759, 12.7917, 27.7665



Tritanopia

11.5212, 12.8016, 17.1930

Trichromacy



Original Color

13.7224, 12.8383, 28.1404

Protanomaly

13.5030, 12.8544, 28.5575

Deuteranomaly

13.2561, 12.7448, 27.7479

Tritanomaly

12.3163, 12.8373, 20.8975

Monochromacy



Original Color

13.7224, 12.8383, 28.1404

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.8051, 12.9954, 18.6631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7224, 12.8383, 28.1404 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(92, 97, 144) looks like.

```
.text, #text, p{  
    color:rgb(92, 97, 144)  
}
```

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(92, 97, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 97, 144) }
```

Border

The CSS property to change the border of an element to XYZ 13.7224, 12.8383, 28.1404 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(92, 97, 144) }
```


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

```
.border{ border-color:rgb(92, 97, 144) }
```

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

Here you see how a box with a 4 pixel rgb(92, 97, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 97, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 97, 144);  
box-shadow:4px 4px 4px 4px rgb(92, 97,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7224, 12.8383, 28.1404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 97, 144) }
```

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

```
.background{ background-color: rgb(92, 97,  
144) }
```

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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