

Converting Colors

XYZ(10.6937, 13.3587, 22.6385)

Have a look what the booklet for
XYZ(10.6937, 13.3587, 22.6385)
contains.

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Color

**XYZ(10.7107, 13.3412,
22.7795)**

Conversions

Conversions Part 1

Format	Color
Hex	2F6E81
RGB	47, 110, 129
RGB Percent	18%, 43%, 51%
CMY	0.8157, 0.5686, 0.4941
CMYK	0.64, 0.15, 0.00, 0.49
HSL	194°, 47%, 35%
HSV	194°, 64%, 51%
XYZ	10.7107, 13.3412, 22.7795
YIQ	93.3290, -43.6470, -7.4470

Conversions

Conversions Part 2

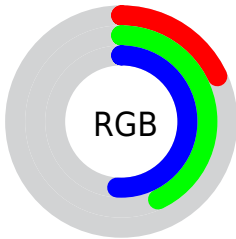
Format	Color
RYB	47, 83, 129
Decimal	3108481
CIELab	43.27, -13.98, -16.53
CIELCh	43, 21.652, 229.786
Yxy	13.3412, 0.2287, 0.2849
Android (android.graphics.Color)	4281298561 (0xFF2F6E81)
YUV	93.3290, 17.5858, -40.6305
Hunter-Lab	36.5256, -11.5768, -11.4088

Details

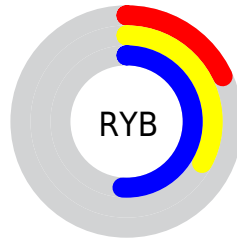
The XYZ color **10.7107, 13.3412, 22.7795** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5150, 8.7693, 3.7756**, and the grayscale version is **10.4493, 10.9935, 11.9719**.

A 20% lighter version of the original color is **26.8433, 32.0428, 49.0261**, and **3.1706, 4.0244, 8.1991** is the 20% darker color. If you saturate the color by 10%, you get **9.8847, 12.4449, 22.6503**, and if you desaturate by 10%, it is **11.7243, 14.3509, 22.9212**.

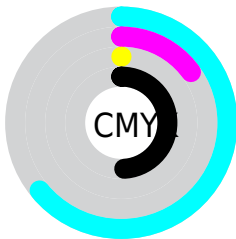
Distribution



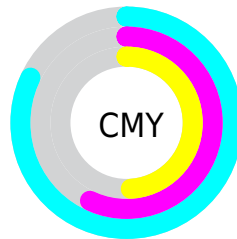
- Red (18%)
- Green (43%)
- Blue (51%)



- Red (18%)
- Yellow (33%)
- Blue (51%)



- Cyan (64%)
- Magenta (15%)
- Yellow (0%)
- Black (49%)



- Cyan (82%)
- Magenta (57%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7107, 13.3412, 22.7795 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 10.7107, 13.3412, 22.7795 by changing the saturation by 10% instead.

■ 10.7107, 13.3412,
22.7795

■ 10.7107, 13.3412,
22.7795

■ 189.6214,
213.0929, 279.6756

■ 5.9385, 7.6639,
14.2270

■ 26.7617, 31.9154,
48.9496

■ 2.8480, 3.8807,
8.1382

■ 38.7712, 45.5811,
67.4043

■ 1.0739, 1.6070,
4.0944

■ 53.9238, 62.6785,
89.9968

■ 0.0031, 0.3623,
1.6773

■ 72.5849, 83.5918,
117.1457

■ 0.0000, 0.0000,
0.3451

■ 95.1199, 108.7055,
149.2695

■ 0.0000, 0.0000,
0.0000

■ 121.8940,

138.4040, 186.7867

153.2728,
173.0717, 230.1158

■ 10.7107, 13.3412,
22.7795

■ 10.7107, 13.3412,
22.7795

■ 9.8847, 12.4449,
22.6503

■ 11.7243, 14.3509,
22.9212

■ 9.2288, 11.6521,
22.5318

■ 12.9385, 15.4800,
23.0752

■ 8.7235, 10.9527,
22.4235

■ 14.3663, 16.7357,
23.2423

■ 8.4348, 10.5296,
22.3570

■ 16.0194, 18.1242,
23.4232

■ 17.9087, 19.6512,
23.6183

■ 20.0442, 21.3220,
23.8283

■ 22.4354, 23.1417,
24.0535

■ 25.0912, 25.1150,
24.2944

■ 28.0203, 27.2465,
24.5514

Harmonies

Analogous

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



9.8823, 13.3412, 17.8814



10.7107, 13.3412, 22.7795



12.1173, 13.3412, 25.6397

Triad

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



10.7107, 13.3412, 22.7795



16.1253, 13.3412, 16.2258



11.6201, 13.3412, 7.4552

Complementary

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



10.7107, 13.3412, 22.7795



11.5150, 8.7693, 3.7756

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.



13.2607, 13.3412, 7.2025



10.7107, 13.3412, 22.7795



15.9624, 13.3412, 11.6195

Square

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



10.7107, 13.3412, 22.7795



15.3051, 13.3412, 21.3403



14.8779, 13.3412, 8.5547



10.3743, 13.3412, 9.3432

Rectangle

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



10.7107, 13.3412, 22.7795



13.2363, 13.3412, 25.6571



14.8779, 13.3412, 8.5547



12.1403, 13.3412, 7.1950

Sweetspot

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



10.7111, 13.3417, 22.7798



30.0275, 33.5512, 42.0859



9.9704, 16.6842, 7.6611



6.6168, 7.4477, 9.5072



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.7111, 13.3417, 22.7798



17.1701, 21.6651, 40.4693



7.3400, 6.5995, 21.6561



4.3646, 4.7232, 5.4949



8.2271, 10.2728, 21.7992



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8847, 7.8264, 15.5839



21.6201, 11.7562, 25.4268



14.6968, 15.1329, 4.8362



4.4569, 4.3959, 5.2104



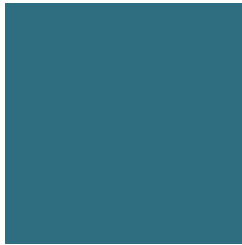
11.0296, 5.4316, 12.0118



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.7107, 13.3412, 22.7795 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 10.7107, 13.3412, 22.7795 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 10.7107, 13.3412, 22.7795

Background



This preview shows how black text looks on a background with the XYZ color 10.7107, 13.3412, 22.7795.

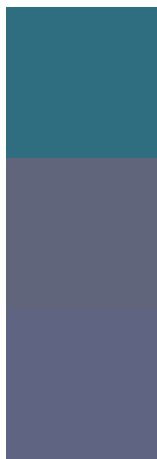


This preview shows how white text looks on a background with the XYZ color 10.7107, 13.3412,

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

10.7107, 13.3412, 22.7795

Protanopia

13.1586, 13.2788, 20.6084

Deuteranopia

13.4778, 13.2398, 23.3179



Tritanopia

10.0709, 13.2385, 19.7938

Trichromacy



Original Color

10.7107, 13.3412, 22.7795

Protanomaly

11.8764, 13.0436, 21.2937

Deuteranomaly

12.1215, 13.1320, 23.0150

Tritanomaly

10.2983, 13.3344, 20.7699

Monochromacy



Original Color

10.7107, 13.3412, 22.7795

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.0439, 11.5008, 15.3262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7107, 13.3412, 22.7795 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(47, 110, 129)` looks like.

```
.text, #text, p{  
    color:rgb(47, 110, 129)  
}
```

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(47, 110, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 110, 129) }
```

Border

The CSS property to change the border of an element to XYZ 10.7107, 13.3412, 22.7795 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(47, 110, 129) }
```


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

```
.border{ border-color:rgb(47, 110, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 110, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 110, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 110, 129);  
box-shadow:4px 4px 4px 4px rgb(47, 110,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7107, 13.3412, 22.7795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 110, 129) }
```

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

```
.background{ background-color: rgb(47, 110,  
129) }
```

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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