

Converting Colors

XYZ(12.5617, 13.3064, 21.2916)

Have a look what the booklet for
XYZ(12.5617, 13.3064, 21.2916)
contains.

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Color

**XYZ(12.4824, 13.2074,
21.2934)**

Conversions

Conversions Part 1

Format	Color
Hex	57677D
RGB	87, 103, 125
RGB Percent	34%, 40%, 49%
CMY	0.6588, 0.5961, 0.5098
CMYK	0.30, 0.18, 0.00, 0.51
HSL	215°, 18%, 42%
HSV	215°, 30%, 49%
XYZ	12.4824, 13.2074, 21.2934
YIQ	100.7240, -16.5980, 3.4500

Conversions

Conversions Part 2

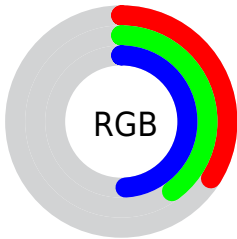
Format	Color
R _Y B	87, 98, 125
Decimal	5728125
CIE Lab	43.07, -0.48, -14.24
CIE LCh	43, 14.245, 268.070
Yxy	13.2074, 0.2657, 0.2811
Android (android.graphics.Color)	4283918205 (0xFF57677D)
YUV	100.7240, 11.9681, -12.0359
Hunter-Lab	36.3420, -2.2890, -9.2996

Details

The XYZ color **12.4824, 13.2074, 21.2934** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6466, 15.9855, 11.2781**, and the grayscale version is **12.2721, 12.9112, 14.0603**.

A 20% lighter version of the original color is **30.0727, 31.7288, 46.6588**, and **3.5938, 3.8013, 7.3818** is the 20% darker color. If you saturate the color by 10%, you get **10.7260, 11.2795, 21.0141**, and if you desaturate by 10%, it is **14.5040, 15.3651, 21.6036**.

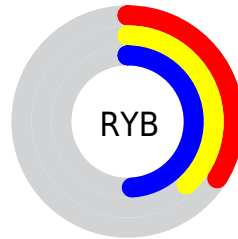
Distribution



Red (34%)

Green (40%)

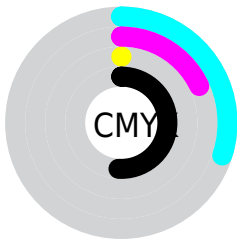
Blue (49%)



Red (34%)

Yellow (38%)

Blue (49%)

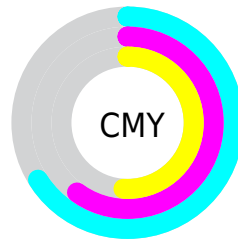


Cyan (30%)

Magenta (18%)

Yellow (0%)

Black (51%)



Cyan (66%)

Magenta (60%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4824, 13.2074, 21.2934 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 12.4824, 13.2074, 21.2934 by changing the saturation by 10% instead.

■ 12.4824, 13.2074,
21.2934

■ 12.4824, 13.2074,
21.2934

201.2786,
212.2426, 271.6657

■ 7.1476, 7.5715,
13.1453

■ 29.9800, 31.6759,
46.4624

■ 3.6018, 3.8220,
7.3968

■ 42.8735, 45.2773,
64.3205

■ 1.4794, 1.5745,
3.6293

■ 59.0174, 62.3026,
86.2522

■ 0.3118, 0.3403,
1.4243

■ 78.7769, 83.1363,
112.6762

■ 0.0000, 0.0000,
0.1605

■ 102.5174,
108.1628, 144.0110

■ 0.0000, 0.0000,
0.0000

130.6043,

137.7664, 180.6752

163.4029,
172.3315, 223.0873

■ 12.4824, 13.2074,
21.2934

■ 12.4824, 13.2074,
21.2934

■ 10.7260, 11.2795,
21.0141

■ 14.5040, 15.3651,
21.6036

■ 9.2217, 9.5715,
20.7637

■ 16.8009, 17.7592,
21.9446

■ 7.9569, 8.0746,
20.5414

■ 19.3838, 20.3977,
22.3177

■ 6.9172, 6.7790,
20.3461

■ 22.2629, 23.2878,
22.7239

■ 6.0868, 5.6739,
20.1766

■ 25.4474, 26.4365,
23.1638

■ 5.4474, 4.7470,
20.0314

■ 28.9465, 29.8503,
23.6383

■ 4.9582, 3.9937,
19.9118

■ 32.7687, 33.5357,
24.1482

■ 36.9223, 37.4988,
24.6942

■ 41.4154, 41.7455,
25.2771

Harmonies

Analogous

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



11.4716, 13.2074, 20.1335



12.4824, 13.2074, 21.2934



13.5709, 13.2074, 20.3889

Triad

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



12.4824, 13.2074, 21.2934



14.5056, 13.2074, 11.7241



10.8487, 13.2074, 11.4196

Complementary

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



12.4824, 13.2074, 21.2934



15.6466, 15.9855, 11.2781

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.



11.5877, 13.2074, 9.6864



12.4824, 13.2074, 21.2934



13.7008, 13.2074, 9.8435

Square

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



12.4824, 13.2074, 21.2934



14.7789, 13.2074, 14.5848



12.6243, 13.2074, 9.1538



10.5631, 13.2074, 14.1783

Rectangle

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



12.4824, 13.2074, 21.2934



14.1868, 13.2074, 18.8012



12.6243, 13.2074, 9.1538



11.0501, 13.2074, 10.7137

Sweetspot

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



12.4828, 13.2079, 21.2937



30.6053, 32.3371, 39.3730



13.9997, 17.7878, 17.0325



6.8394, 7.2296, 8.9381



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.4828, 13.2079, 21.2937



20.2648, 21.3713, 37.8014



11.2814, 10.4478, 20.8243



4.2461, 4.4862, 5.4554



5.1681, 4.1547, 20.7795



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.3142, 12.1560, 14.4244



24.1157, 19.3887, 23.3054



17.1464, 19.5273, 11.8826



4.3970, 4.3720, 4.8953



9.4856, 4.8139, 3.8808



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4824, 13.2074, 21.2934 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 12.4824, 13.2074, 21.2934 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

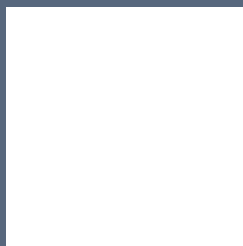
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4824, 13.2074, 21.2934

Background



This preview shows how black text looks on a background with the XYZ color 12.4824, 13.2074, 21.2934.



This preview shows how white text looks on a background with the XYZ color 12.4824, 13.2074,

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

12.4824, 13.2074, 21.2934

Protanopia

13.0527, 13.2242, 20.6035

Deuteranopia

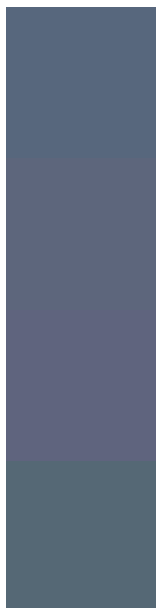
13.3733, 13.0827, 21.5590



Tritanopia

11.6884, 13.1802, 17.5508

Trichromacy



Original Color

12.4824, 13.2074, 21.2934

Protanomaly

12.9037, 13.2851, 20.9530

Deuteranomaly

13.0424, 13.0536, 21.5709

Tritanomaly

11.9075, 13.1163, 18.7337

Monochromacy



Original Color

12.4824, 13.2074, 21.2934

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3897, 13.1153, 16.6304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4824, 13.2074, 21.2934 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(87, 103, 125) looks like.

```
.text, #text, p{  
    color:rgb(87, 103, 125)  
}
```

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(87, 103, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 103, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.4824, 13.2074, 21.2934 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(87, 103, 125) }
```


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

```
.border{ border-color:rgb(87, 103, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 103, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 103, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 103, 125);  
box-shadow:4px 4px 4px 4px rgb(87, 103,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4824, 13.2074, 21.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 103, 125) }
```

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

```
.background{ background-color: rgb(87, 103,  
125) }
```

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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