

Converting Colors

XYZ(12.7136, 14.3445, 21.5595)

Have a look what the booklet for
XYZ(12.7136, 14.3445, 21.5595)
contains.

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Color

**XYZ(12.7573, 14.4264,
21.5142)**

Conversions

Conversions Part 1

Format	Color
Hex	526E7D
RGB	82, 110, 125
RGB Percent	32%, 43%, 49%
CMY	0.6784, 0.5686, 0.5098
CMYK	0.34, 0.12, 0.00, 0.51
HSL	201°, 21%, 41%
HSV	201°, 34%, 49%
XYZ	12.7573, 14.4264, 21.5142
YIQ	103.3380, -21.5030, -1.2710

Conversions

Conversions Part 2

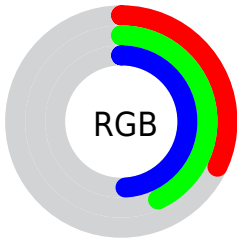
Format	Color
R_{YB}	82, 99, 125
Decimal	5402237
CIE _{Lab}	44.84, -6.23, -11.60
CIE _{LCh}	45, 13.164, 241.743
Yxy	14.4264, 0.2620, 0.2962
Android (android.graphics.Color)	4283592317 (0xFF526E7D)
YUV	103.3380, 10.6794, -18.7134
Hunter-Lab	37.9821, -6.5147, -6.9962

Details

The XYZ color **12.7573, 14.4264, 21.5142** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2554, 13.5187, 9.8411**, and the grayscale version is **12.9587, 13.6335, 14.8469**.

A 20% lighter version of the original color is **30.6291, 34.0416, 47.0758**, and **3.6868, 4.3071, 7.4745** is the 20% darker color. If you saturate the color by 10%, you get **11.3090, 12.9988, 21.3152**, and if you desaturate by 10%, it is **14.4278, 16.0036, 21.7308**.

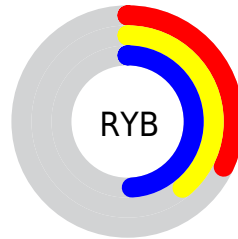
Distribution



Red (32%)

Green (43%)

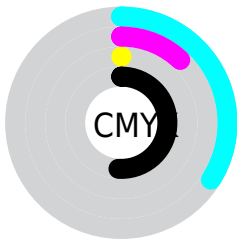
Blue (49%)



Red (32%)

Yellow (39%)

Blue (49%)

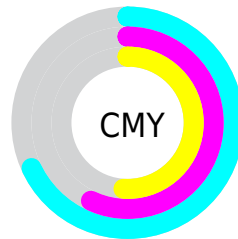


Cyan (34%)

Magenta (12%)

Yellow (0%)

Black (51%)



Cyan (68%)

Magenta (57%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7573, 14.4264, 21.5142 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 12.7573, 14.4264, 21.5142 by changing the saturation by 10% instead.

■ 12.7573, 14.4264,
21.5142

■ 12.7573, 14.4264,
21.5142

203.0255,
219.8676, 272.8689

■ 7.3375, 8.4178,
13.3055

■ 30.4721, 33.8437,
46.8336

■ 3.7222, 4.3635,
7.5060

■ 43.4978, 48.0213,
64.7814

■ 1.5462, 1.8789,
3.6973

■ 59.7895, 65.6906,
86.8126

■ 0.3570, 0.5356,
1.4608

■ 79.7126, 87.2361,
113.3457

■ 0.0000, 0.0000,
0.1885

■ 103.6323,
113.0421, 144.7994

■ 0.0000, 0.0000,
0.0000

131.9142,

143.4931, 181.5922

164.9235,
178.9735, 224.1425

■ 12.7573, 14.4264,
21.5142

■ 12.7573, 14.4264,
21.5142

■ 11.3090, 12.9988,
21.3152

■ 14.4278, 16.0036,
21.7308

■ 10.0703, 11.7128,
21.1323

■ 16.3292, 17.7343,
21.9647

■ 9.0296, 10.5623,
20.9651

■ 18.4718, 19.6247,
22.2166

■ 8.1734, 9.5398,
20.8128

■ 20.8645, 21.6798,
22.4872

■ 7.4865, 8.6368,
20.6747

■ 23.5159, 23.9045,
22.7769

■ 6.9474, 7.8419,
20.5497

■ 26.4340, 26.3034,
23.0861

■ 6.6739, 7.4250,
20.4837

■ 29.6267, 28.8809,
23.4153

■ 33.1014, 31.6413,
23.7650

■ 36.8651, 34.5888,
24.1355

Harmonies

Analogous

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



12.0297, 14.4264, 19.0293



12.7573, 14.4264, 21.5142



13.7748, 14.4264, 22.3916

Triad

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



12.7573, 14.4264, 21.5142



15.8812, 14.4264, 15.5287



12.6539, 14.4264, 11.1962

Complementary

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



12.7573, 14.4264, 21.5142



14.2554, 13.5187, 9.8411

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.



13.6491, 14.4264, 10.5072



12.7573, 14.4264, 21.5142



15.5440, 14.4264, 12.7974

Square

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



12.7573, 14.4264, 21.5142



15.6124, 14.4264, 18.6773



14.7129, 14.4264, 11.0533



11.9722, 14.4264, 13.0711

Rectangle

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



12.7573, 14.4264, 21.5142



14.4911, 14.4264, 21.8663



14.7129, 14.4264, 11.0533



12.9610, 14.4264, 10.8302

Sweetspot

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



12.7577, 14.4270, 21.5145



30.7829, 33.1295, 39.5166



12.9403, 17.3120, 13.8069



6.9035, 7.4485, 8.9769



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.



12.7577, 14.4270, 21.5145



20.8407, 23.8693, 38.2532



10.7680, 10.4475, 20.8513



4.3241, 4.6422, 5.4814



6.9587, 7.7360, 21.3764



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.2896, 11.5208, 16.2231



24.0778, 18.1154, 26.9846



16.4395, 17.8871, 10.5692



4.4364, 4.3877, 5.1027



10.3894, 5.1755, 8.6404



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7573, 14.4264, 21.5142 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 12.7573, 14.4264, 21.5142 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

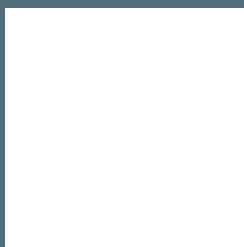
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7573, 14.4264, 21.5142

Background



This preview shows how black text looks on a background with the XYZ color 12.7573, 14.4264, 21.5142.

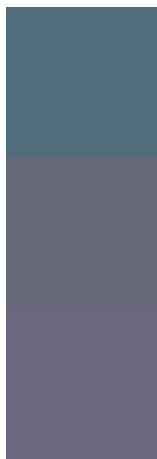


This preview shows how white text looks on a background with the XYZ color 12.7573, 14.4264,

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

12.7573, 14.4264, 21.5142

Protanopia

14.1579, 14.3919, 20.4441

Deuteranopia

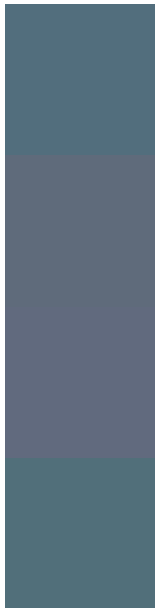
14.5600, 14.2710, 21.7259



Tritanopia

12.4679, 14.4743, 19.9060

Trichromacy



Original Color

12.7573, 14.4264, 21.5142

Protanomaly

13.5522, 14.3783, 20.7999

Deuteranomaly

13.8497, 14.3558, 21.7797

Tritanomaly

12.5906, 14.5234, 20.5520

Monochromacy



Original Color

12.7573, 14.4264, 21.5142

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7426, 13.8887, 17.0481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7573, 14.4264, 21.5142 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(82, 110, 125) looks like.

```
.text, #text, p{  
    color:rgb(82, 110, 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(82, 110, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 110, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.7573, 14.4264, 21.5142 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(82, 110, 125) }
```


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

```
.border{ border-color:rgb(82, 110, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 110, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 110, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 110, 125);  
box-shadow:4px 4px 4px 4px rgb(82, 110,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7573, 14.4264, 21.5142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 110, 125) }
```

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

```
.background{ background-color: rgb(82, 110,  
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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