

Converting Colors

XYZ(12.3013, 13.6978, 21.2963)

Have a look what the booklet for
XYZ(12.3013, 13.6978, 21.2963)
contains.

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Color

**XYZ(12.3527, 13.7454,
21.4041)**

Conversions

Conversions Part 1

Format	Color
Hex	516B7D
RGB	81, 107, 125
RGB Percent	32%, 42%, 49%
CMY	0.6823, 0.5804, 0.5098
CMYK	0.35, 0.14, 0.00, 0.51
HSL	205°, 21%, 40%
HSV	205°, 35%, 49%
XYZ	12.3527, 13.7454, 21.4041
YIQ	101.2780, -21.2740, 0.0860

Conversions

Conversions Part 2

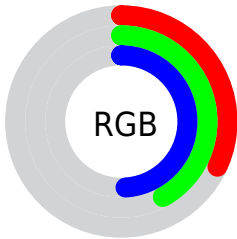
Format	Color
R _Y B	81, 97, 125
Decimal	5335933
CIE Lab	43.87, -4.77, -13.07
CIE LCh	44, 13.918, 249.937
Yxy	13.7454, 0.2600, 0.2894
Android (android.graphics.Color)	4283526013 (0xFF516B7D)
YUV	101.2780, 11.6949, -17.7838
Hunter-Lab	37.0748, -5.4077, -8.2771

Details

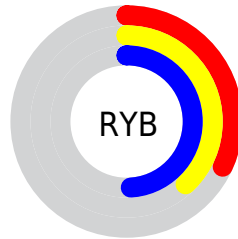
The XYZ color **12.3527, 13.7454, 21.4041** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.4047, 13.8779, 9.7044**, and the grayscale version is **12.4165, 13.0631, 14.2257**.

A 20% lighter version of the original color is **29.7785, 32.5736, 46.8373**, and **3.5476, 4.0769, 7.4374** is the 20% darker color. If you saturate the color by 10%, you get **10.8612, 12.2086, 21.1863**, and if you desaturate by 10%, it is **14.0738, 15.4480, 21.6423**.

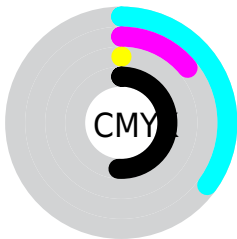
Distribution



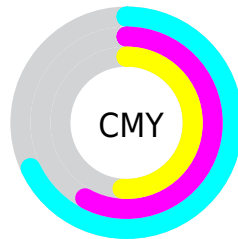
- Red (32%)
- Green (42%)
- Blue (49%)



- Red (32%)
- Yellow (38%)
- Blue (49%)



- Cyan (35%)
- Magenta (14%)
- Yellow (0%)
- Black (51%)



- Cyan (68%)
- Magenta (58%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3527, 13.7454, 21.4041 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 12.3527, 13.7454, 21.4041 by changing the saturation by 10% instead.

■ 12.3527, 13.7454,
21.4041

■ 12.3527, 13.7454,
21.4041

200.4491,
215.6411, 272.2696

■ 7.0583, 7.9438,
13.2256

■ 29.7472, 32.6366,
46.6486

■ 3.5452, 4.0590,
7.4515

■ 42.5779, 46.4950,
64.5517

■ 1.4482, 1.7066,
3.6634

■ 58.6515, 63.8077,
86.5333

■ 0.2902, 0.4279,
1.4425

■ 78.3333, 84.9593,
113.0121

■ 0.0000, 0.0000,
0.1746

■ 101.9885,
110.3340, 144.4066

■ 0.0000, 0.0000,
0.0000

129.9827,

140.3163, 181.1353

162.6811,
175.2905, 223.6168

■ 12.3527, 13.7454,
21.4041

■ 12.3527, 13.7454,
21.4041

■ 10.8612, 12.2086,
21.1863

■ 14.0738, 15.4480,
21.6423

■ 9.5867, 10.8294,
20.9873

■ 16.0338, 17.3210,
21.9005

■ 8.5171, 9.6011,
20.8066

■ 18.2429, 19.3708,
22.1797

■ 7.6386, 8.5156,
20.6433

■ 20.7105, 21.6029,
22.4805

■ 6.9355, 7.5639,
20.4967

■ 23.4452, 24.0225,
22.8034

■ 6.3835, 6.7328,
20.3654

■ 26.4554, 26.6348,
23.1489

■ 6.1416, 6.3605,
20.3063

■ 29.7491, 29.4444,
23.5177

■ 33.3340, 32.4560,
23.9100

■ 37.2173, 35.6741,
24.3265

Harmonies

Analogous

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



11.5098, 13.7454, 19.1991



12.3527, 13.7454, 21.4041



13.4328, 13.7454, 21.7571

Triad

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



12.3527, 13.7454, 21.4041



15.2595, 13.7454, 13.9458



11.7540, 13.7454, 10.7876

Complementary

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



12.3527, 13.7454, 21.4041



14.4047, 13.8779, 9.7044

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.



12.7032, 13.7454, 9.7599



12.3527, 13.7454, 21.4041



14.7535, 13.7454, 11.4066

Square

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



12.3527, 13.7454, 21.4041



15.1526, 13.7454, 17.1410



13.8033, 13.7454, 9.9693



11.1778, 13.7454, 12.9840

Rectangle

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



12.3527, 13.7454, 21.4041



14.1482, 13.7454, 20.8499



13.8033, 13.7454, 9.9693



12.0377, 13.7454, 10.3090

Sweetspot

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



12.3531, 13.7459, 21.4044



30.2140, 32.4226, 39.4101



12.9603, 17.3101, 14.3628



6.7779, 7.2867, 8.9523



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.



12.3531, 13.7459, 21.4044



19.9989, 22.4389, 38.0214



10.3754, 9.7905, 20.7452



4.3035, 4.6009, 5.4745



6.4029, 6.6243, 21.1911



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.0541, 11.3067, 15.3522



23.5910, 17.6840, 25.1511



16.7318, 18.5320, 10.4801



4.4260, 4.3836, 5.0478



10.1089, 5.0632, 7.1630



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3527, 13.7454, 21.4041 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 12.3527, 13.7454, 21.4041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

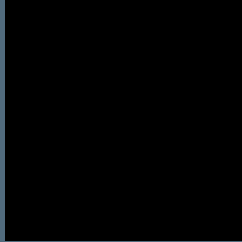
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3527, 13.7454, 21.4041

Background



This preview shows how black text looks on a background with the XYZ color 12.3527, 13.7454, 21.4041.

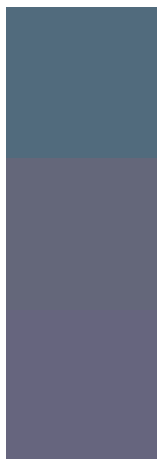


This preview shows how white text looks on a background with the XYZ color 12.3527, 13.7454,

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

12.3527, 13.7454, 21.4041

Protanopia

13.6186, 13.8150, 20.3611

Deuteranopia

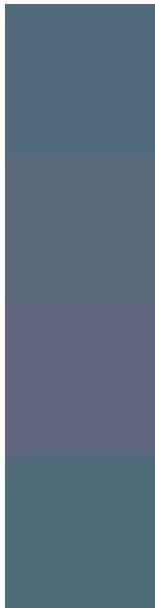
13.8991, 13.6385, 21.6386



Tritanopia

11.7979, 13.6717, 18.8467

Trichromacy



Original Color

12.3527, 13.7454, 21.4041

Protanomaly

13.0397, 13.6578, 20.6879

Deuteranomaly

13.2322, 13.5865, 21.6637

Tritanomaly

12.0610, 13.7867, 19.7947

Monochromacy



Original Color

12.3527, 13.7454, 21.4041

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2808, 13.2060, 16.6536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3527, 13.7454, 21.4041 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(81, 107, 125) looks like.

```
.text, #text, p{  
    color:rgb(81, 107, 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(81, 107, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 107, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.3527, 13.7454, 21.4041 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(81, 107, 125) }
```


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

```
.border{ border-color:rgb(81, 107, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 107, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 107, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 107, 125);  
box-shadow:4px 4px 4px 4px rgb(81, 107,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3527, 13.7454, 21.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 107, 125) }
```

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

```
.background{ background-color: rgb(81, 107,  
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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