

Converting Colors

XYZ(12.6083, 13.3579, 24.4347)

Have a look what the booklet for
XYZ(12.6083, 13.3579, 24.4347)
contains.

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Color

**XYZ(12.6467, 13.3712,
24.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	516886
RGB	81, 104, 134
RGB Percent	32%, 41%, 53%
CMY	0.6823, 0.5921, 0.4745
CMYK	0.40, 0.22, 0.00, 0.47
HSL	214°, 25%, 42%
HSV	214°, 40%, 53%
XYZ	12.6467, 13.3712, 24.4686
YIQ	100.5430, -23.3380, 4.4540

Conversions

Conversions Part 2

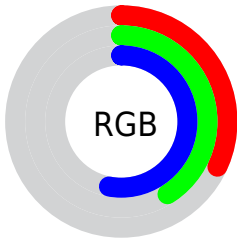
Format	Color
R_{YB}	81, 97, 134
Decimal	5335174
CIE Lab	43.32, -0.42, -19.32
CIE LCh	43, 19.328, 268.761
Yxy	13.3712, 0.2505, 0.2648
Android (android.graphics.Color)	4283525254 (0xFF516886)
YUV	100.5430, 16.4943, -17.1392
Hunter-Lab	36.5667, -2.2568, -14.0773

Details

The XYZ color **12.6467, 13.3712, 24.4686** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.0014, 17.0314, 10.1763**, and the grayscale version is **12.2157, 12.8518, 13.9956**.

A 20% lighter version of the original color is **30.2067, 31.9361, 51.5859**, and **3.6590, 3.8734, 8.9423** is the 20% darker color. If you saturate the color by 10%, you get **10.8804, 11.3780, 24.1772**, and if you desaturate by 10%, it is **14.7092, 15.6196, 24.7941**.

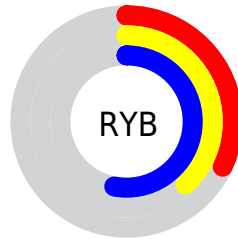
Distribution



Red (32%)

Green (41%)

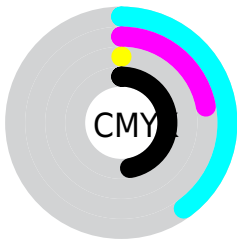
Blue (53%)



Red (32%)

Yellow (38%)

Blue (53%)

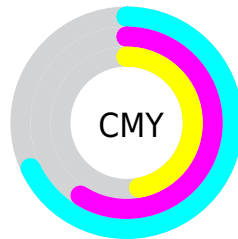


Cyan (40%)

Magenta (22%)

Yellow (0%)

Black (47%)



Cyan (68%)

Magenta (59%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6467, 13.3712, 24.4686 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 12.6467, 13.3712, 24.4686 by changing the saturation by 10% instead.

■ 12.6467, 13.3712,
24.4686

■ 12.6467, 13.3712,
24.4686

202.3245,
213.2831, 288.5436

■ 7.2610, 7.6847,
15.4662

■ 30.2743, 31.9691,
51.7472

■ 3.6737, 3.8938,
8.9970

■ 43.2470, 45.6492,
70.8605

■ 1.5192, 1.6144,
4.6424

■ 59.4794, 62.7626,
94.1811

■ 0.3389, 0.3672,
1.9840

■ 79.3369, 83.6937,
122.1276

■ 0.0000, 0.0000,
0.5454

■ 103.1848,
108.8269, 155.1186

■ 0.0000, 0.0000,
0.0000

131.3884,

138.5466, 193.5725

164.3132,
173.2372, 237.9080

■ 12.6467, 13.3712,
24.4686

■ 12.6467, 13.3712,
24.4686

■ 10.8804, 11.3780,
24.1772

■ 14.7092, 15.6196,
24.7941

■ 9.3938, 9.6280,
23.9178

■ 17.0807, 18.1315,
25.1540

■ 8.1706, 8.1104,
23.6893

■ 19.7746, 20.9167,
25.5496

■ 7.1922, 6.8125,
23.4904

■ 22.8032, 23.9838,
25.9820

■ 6.4370, 5.7202,
23.3193

■ 26.1782, 27.3413,
26.4521

■ 5.8487, 4.8013,
23.1730

■ 29.9106, 30.9970,
26.9610

■ 5.8239, 4.7628,
23.1669

■ 34.0111, 34.9585,
27.5096

■ 38.4895, 39.2333,
28.0987

■ 43.3557, 43.8283,
28.7291

Harmonies

Analogous

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



11.2721, 13.3712, 22.8182



12.6467, 13.3712, 24.4686



14.1467, 13.3712, 23.0599

Triad

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



12.6467, 13.3712, 24.4686



15.4066, 13.3712, 10.9376



10.4005, 13.3712, 10.6841

Complementary

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



12.6467, 13.3712, 24.4686



17.0014, 17.0314, 10.1763

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.



11.3720, 13.3712, 8.4556



12.6467, 13.3712, 24.4686



14.2630, 13.3712, 8.5805

Square

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



12.6467, 13.3712, 24.4686



15.8136, 13.3712, 14.7382



12.7714, 13.3712, 7.7677



10.0398, 13.3712, 14.3812

Rectangle

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



12.6467, 13.3712, 24.4686



15.0017, 13.3712, 20.7062



12.7714, 13.3712, 7.7677



10.6625, 13.3712, 9.7675

Sweetspot

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



12.6471, 13.3717, 24.4689



33.4955, 35.4731, 44.8200



14.7414, 19.9289, 17.8647



7.4318, 7.8739, 10.0808



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.6471, 13.3717, 24.4689



19.6098, 20.5516, 42.6717



10.8707, 9.4752, 23.8104



4.5884, 4.8524, 5.8955



5.4682, 4.4841, 21.7140



0.0260, 0.0296, 0.0776

Inverse Universe

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



15.2730, 11.9530, 14.5995



24.9892, 18.1066, 22.3490



19.4249, 22.4978, 11.1036



4.7503, 4.7198, 5.2972



9.9382, 5.0396, 4.2468



0.0380, 0.0189, 0.0334

Previews

White Background



This preview shows how the XYZ color 12.6467, 13.3712, 24.4686 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 12.6467, 13.3712, 24.4686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

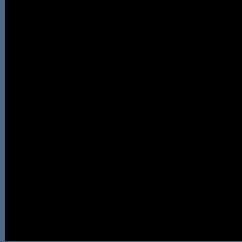
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

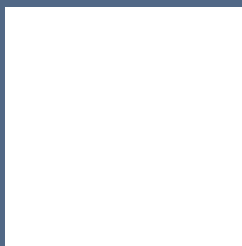
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6467, 13.3712, 24.4686

Background



This preview shows how black text looks on a background with the XYZ color 12.6467, 13.3712, 24.4686.

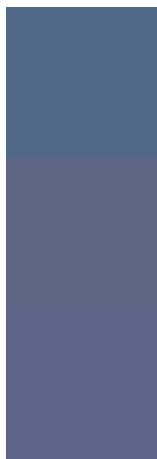


This preview shows how white text looks on a background with the XYZ color 12.6467, 13.3712,

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

12.6467, 13.3712, 24.4686

Protanopia

13.4346, 13.3530, 23.6991

Deuteranopia

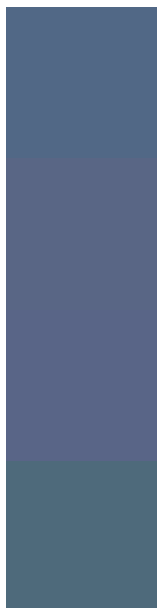
13.5464, 13.2433, 24.7639



Tritanopia

11.3906, 13.3128, 18.4923

Trichromacy



Original Color

12.6467, 13.3712, 24.4686

Protanomaly

13.1048, 13.3200, 24.0706

Deuteranomaly

13.1467, 13.1805, 24.7729

Tritanomaly

11.8711, 13.3578, 20.6915

Monochromacy



Original Color

12.6467, 13.3712, 24.4686

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3481, 13.0747, 17.4956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6467, 13.3712, 24.4686 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, 104, 134)` looks like.

```
.text, #text, p{  
    color:rgb(81, 104, 134)  
}
```

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, 104, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 104, 134) }
```

Border

The CSS property to change the border of an element to XYZ 12.6467, 13.3712, 24.4686 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, 104, 134) }
```


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

```
.border{ border-color:rgb(81, 104, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 104, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 104, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 104, 134);  
box-shadow:4px 4px 4px 4px rgb(81, 104,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6467, 13.3712, 24.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 104, 134) }
```

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

```
.background{ background-color: rgb(81, 104,  
134) }
```

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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