

Converting Colors

XYZ(12.7698, 14.7360, 20.3985)

Have a look what the booklet for
XYZ(12.7698, 14.7360, 20.3985)
contains.

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Color

**XYZ(12.8126, 14.8078,
20.2721)**

Conversions

Conversions Part 1

Format	Color
Hex	537079
RGB	83, 112, 121
RGB Percent	33%, 44%, 47%
CMY	0.6745, 0.5608, 0.5255
CMYK	0.31, 0.07, 0.00, 0.53
HSL	194°, 19%, 40%
HSV	194°, 31%, 47%
XYZ	12.8126, 14.8078, 20.2721
YIQ	104.3550, -20.1730, -3.3490

Conversions

Conversions Part 2

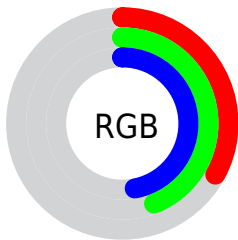
Format	Color
R_{YB}	83, 99, 121
Decimal	5468281
CIE _{Lab}	45.37, -8.15, -8.39
CIE _{LCh}	45, 11.701, 225.827
Yxy	14.8078, 0.2675, 0.3092
Android (android.graphics.Color)	4283658361 (0xFF537079)
YUV	104.3550, 8.2060, -18.7283
Hunter-Lab	38.4809, -7.9082, -4.2979

Details

The XYZ color **12.8126, 14.8078, 20.2721** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.2738, 12.3438, 9.8668**, and the grayscale version is **13.2361, 13.9254, 15.1648**.

A 20% lighter version of the original color is **30.6498, 34.6364, 44.6052**, and **3.7635, 4.5229, 6.9780** is the 20% darker color. If you saturate the color by 10%, you get **11.5258, 13.6829, 20.1230**, and if you desaturate by 10%, it is **14.2967, 16.0501, 20.4339**.

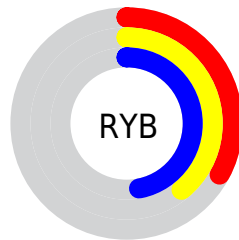
Distribution



Red (33%)

Green (44%)

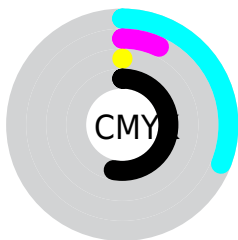
Blue (47%)



Red (33%)

Yellow (39%)

Blue (47%)

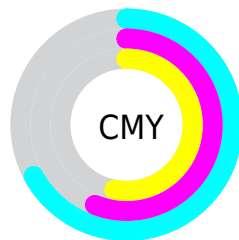


Cyan (31%)

Magenta (7%)

Yellow (0%)

Black (53%)



Cyan (67%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8126, 14.8078, 20.2721 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 12.8126, 14.8078, 20.2721 by changing the saturation by 10% instead.

■ 12.8126, 14.8078,
20.2721

■ 12.8126, 14.8078,
20.2721

203.3751,
222.1999, 266.0372

■ 7.3757, 8.6846,
12.4070

■ 30.5709, 34.5157,
44.7379

■ 3.7466, 4.5360,
6.8956

■ 43.6230, 48.8691,
62.1756

■ 1.5598, 1.9777,
3.3194

■ 59.9443, 66.7347,
83.6412

■ 0.3660, 0.5945,
1.2600

■ 79.9000, 88.4970,
109.5533

■ 0.0000, 0.0000,
0.0286

■ 103.8557,
114.5403, 140.3304

■ 0.0000, 0.0000,
0.0000

132.1765,

145.2489, 176.3910

165.2278,
181.0073, 218.1538

■ 12.8126, 14.8078,
20.2721

■ 12.8126, 14.8078,
20.2721

■ 11.5258, 13.6829,
20.1230

■ 14.2967, 16.0501,
20.4339

■ 10.4252, 12.6683,
19.9852

■ 15.9859, 17.4129,
20.6079

■ 9.5005, 11.7592,
19.8585

■ 17.8891, 18.9011,
20.7949

■ 8.7401, 10.9493,
19.7422

■ 20.0143, 20.5192,
20.9952

■ 8.1306, 10.2315,
19.6358

■ 22.3690, 22.2711,
21.2092

■ 7.6566, 9.5978,
19.5385

■ 24.9605, 24.1606,
21.4374

■ 7.3085, 9.0950,
19.4598

■ 27.7957, 26.1915,
21.6799

■ 30.8811, 28.3672,
21.9373

■ 34.2232, 30.6912,
22.2097

Harmonies

Analogous

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



12.3528, 14.8078, 17.6265



12.8126, 14.8078, 20.2721



13.6220, 14.8078, 21.8854

Triad

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



12.8126, 14.8078, 20.2721



15.9640, 14.8078, 17.4686



13.5711, 14.8078, 11.5050

Complementary

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



12.8126, 14.8078, 20.2721



13.2738, 12.3438, 9.8668

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.



14.5366, 14.8078, 11.4731



12.8126, 14.8078, 20.2721



15.9488, 14.8078, 14.7078

Square

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



12.8126, 14.8078, 20.2721



15.4569, 14.8078, 20.1451



15.4164, 14.8078, 12.5829



12.7768, 14.8078, 12.6757

Rectangle

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



12.8126, 14.8078, 20.2721



14.2649, 14.8078, 22.0515



15.4164, 14.8078, 12.5829



13.8856, 14.8078, 11.3657

Sweetspot

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



12.8130, 14.8084, 20.2724



29.3358, 31.7428, 36.9737



12.3309, 16.2844, 12.5882



6.6178, 7.1870, 8.4451



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.8130, 14.8084, 20.2724



21.1736, 24.9780, 36.0982



10.9448, 11.0719, 19.6497



4.0305, 4.3592, 5.0722



7.8233, 9.7290, 20.8508



36.6387, 45.0500, 99.2343

Inverse Universe

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



13.9034, 11.4216, 16.8017



23.5143, 18.0285, 28.5752



15.1167, 16.0296, 10.4811



4.1158, 4.0621, 4.8076



10.5322, 5.1890, 11.3591



49.8967, 24.6150, 52.3793

Previews

White Background



This preview shows how the XYZ color 12.8126, 14.8078, 20.2721 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 12.8126, 14.8078, 20.2721 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

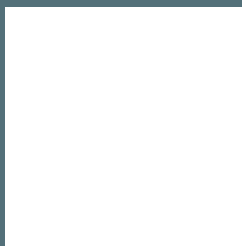
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8126, 14.8078, 20.2721

Background



This preview shows how black text looks on a background with the XYZ color 12.8126, 14.8078, 20.2721.



This preview shows how white text looks on a background with the XYZ color 12.8126, 14.8078,

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

12.8126, 14.8078, 20.2721

Protanopia

14.3088, 14.6566, 18.9045

Deuteranopia

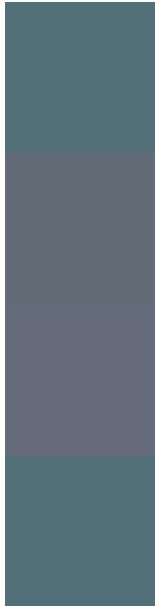
14.9559, 14.6457, 20.7775



Tritanopia

12.8126, 14.8078, 20.2721

Trichromacy



Original Color

12.8126, 14.8078, 20.2721

Protanomaly

13.6696, 14.6298, 19.2429

Deuteranomaly

14.0261, 14.6299, 20.4969

Tritanomaly

12.8126, 14.8078, 20.2721

Monochromacy



Original Color

12.8126, 14.8078, 20.2721

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8960, 14.1280, 16.7991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8126, 14.8078, 20.2721 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(83, 112, 121) looks like.

```
.text, #text, p{  
    color:rgb(83, 112, 121)  
}
```

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(83, 112, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 112, 121) }
```

Border

The CSS property to change the border of an element to XYZ 12.8126, 14.8078, 20.2721 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(83, 112, 121) }
```


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

```
.border{ border-color:rgb(83, 112, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 112, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 112, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 112, 121);  
box-shadow:4px 4px 4px 4px rgb(83, 112,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8126, 14.8078, 20.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 112, 121) }
```

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

```
.background{ background-color: rgb(83, 112,  
121) }
```

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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