

Converting Colors

XYZ(12.0880, 12.8009, 20.0029)

Have a look what the booklet for
XYZ(12.0880, 12.8009, 20.0029)
contains.

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Color

**XYZ(12.0354, 12.7141,
19.9089)**

Conversions

Conversions Part 1

Format	Color
Hex	576579
RGB	87, 101, 121
RGB Percent	34%, 40%, 47%
CMY	0.6588, 0.6039, 0.5255
CMYK	0.28, 0.17, 0.00, 0.53
HSL	215°, 16%, 41%
HSV	215°, 28%, 47%
XYZ	12.0354, 12.7141, 19.9089
YIQ	99.0940, -14.7640, 3.2520

Conversions

Conversions Part 2

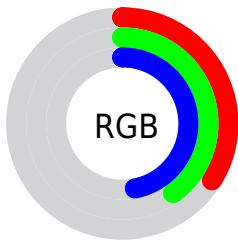
Format	Color
RYB	87, 97, 121
Decimal	5727609
CIELab	42.33, -0.34, -12.95
CIElCh	42, 12.953, 268.496
Yxy	12.7141, 0.2695, 0.2847
Android (android.graphics.Color)	4283917689 (0xFF576579)
YUV	99.0940, 10.7997, -10.6064
Hunter-Lab	35.6568, -2.1496, -8.1446

Details


The XYZ color **12.0354, 12.7141, 19.9089** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8634, 15.2687, 11.1810**, and the grayscale version is **11.8601, 12.4777, 13.5882**.

A 20% lighter version of the original color is **29.2523, 30.8769, 43.9532**, and **3.3639, 3.5573, 6.6402** is the 20% darker color. If you saturate the color by 10%, you get **10.3377, 10.8573, 19.6402**, and if you desaturate by 10%, it is **13.9832, 14.7893, 20.2070**.

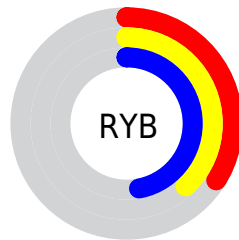
Distribution



 Red (34%)

 Green (40%)

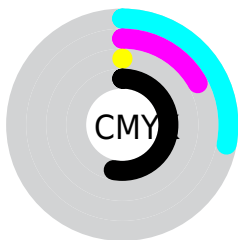
 Blue (47%)





 Red (34%)

 Yellow (38%)

 Blue (47%)

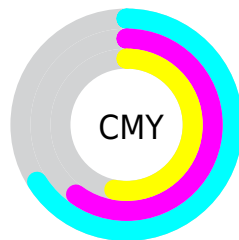


 Cyan (28%)

 Magenta (17%)

 Yellow (0%)

 Black (53%)



 Cyan (66%)

 Magenta (60%)

 Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0354, 12.7141, 19.9089 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 12.0354, 12.7141, 19.9089 by changing the saturation by 10% instead.

■ 12.0354, 12.7141,
19.9089

■ 12.0354, 12.7141,
19.9089

198.4046,
209.0772, 264.0094

■ 6.8402, 7.2320,
12.1454

■ 29.1759, 30.7892,
44.1214

■ 3.4078, 3.6076,
6.7191

■ 41.8518, 44.1509,
61.4074

■ 1.3729, 1.4566,
3.2113

■ 57.7520, 60.9080,
82.7047

■ 0.2368, 0.2579,
1.2035

■ 77.2418, 81.4448,
108.4319

■ 0.0000, 0.0000,
0.0000

■ 100.6867,
106.1457, 139.0074

128.4518,

135.3952, 174.8498

160.9027,
169.5775, 216.3776

■ 12.0354, 12.7141,
19.9089

■ 12.0354, 12.7141,
19.9089

■ 10.3377, 10.8573,
19.6402

■ 13.9832, 14.7893,
20.2070

■ 8.8779, 9.2095,
19.3991

■ 16.1901, 17.0887,
20.5345

■ 7.6446, 7.7627,
19.1848

■ 18.6661, 19.6201,
20.8926

■ 6.6249, 6.5079,
18.9964

■ 21.4204, 22.3900,
21.2821

■ 5.8044, 5.4352,
18.8326

■ 24.4616, 25.4049,
21.7038

■ 5.1667, 4.5333,
18.6921

■ 27.7980, 28.6710,
22.1583

■ 4.6717, 3.7787,
18.5725

■ 31.4377, 32.1943,
22.6466

■ 4.5844, 3.6468,
18.5517

■ 35.3881, 35.9804,
23.1691

■ 39.6567, 40.0349,
23.7268

Harmonies

Analogous

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



11.1344, 12.7141, 18.9234



12.0354, 12.7141, 19.9089



12.9976, 12.7141, 19.0969

Triad

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



12.0354, 12.7141, 19.9089



13.8013, 12.7141, 11.4451



10.5608, 12.7141, 11.2321

Complementary

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



12.0354, 12.7141, 19.9089



14.8634, 15.2687, 11.1810

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.



11.2150, 12.7141, 9.6544



12.0354, 12.7141, 19.9089



13.0869, 12.7141, 9.7653

Square

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



12.0354, 12.7141, 19.9089



14.0493, 12.7141, 13.9844



12.1335, 12.7141, 9.1551



10.3117, 12.7141, 13.7035

Rectangle

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



12.0354, 12.7141, 19.9089



13.5378, 12.7141, 17.6995



12.1335, 12.7141, 9.1551



10.7389, 12.7141, 10.5927

Sweetspot

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



12.0358, 12.7146, 19.9092



28.9490, 30.5570, 36.7652



13.4133, 16.7593, 16.3923



6.4979, 6.8615, 8.3886



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.



12.0358, 12.7146, 19.9092



19.4518, 20.4809, 35.3209



11.0600, 10.3626, 19.5066



3.9206, 4.1395, 5.0355



4.9022, 3.8868, 19.8771



22.5878, 16.9483, 94.5506

Inverse Universe

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



13.6427, 11.8214, 13.8752



22.9025, 18.7685, 22.3174



16.0518, 18.2264, 11.6893



4.0604, 4.0399, 4.5156



9.0577, 4.5992, 3.5948



42.8044, 21.7781, 15.0322

Previews

White Background



This preview shows how the XYZ color 12.0354, 12.7141, 19.9089 looks on a white background.

Color Contrast Check

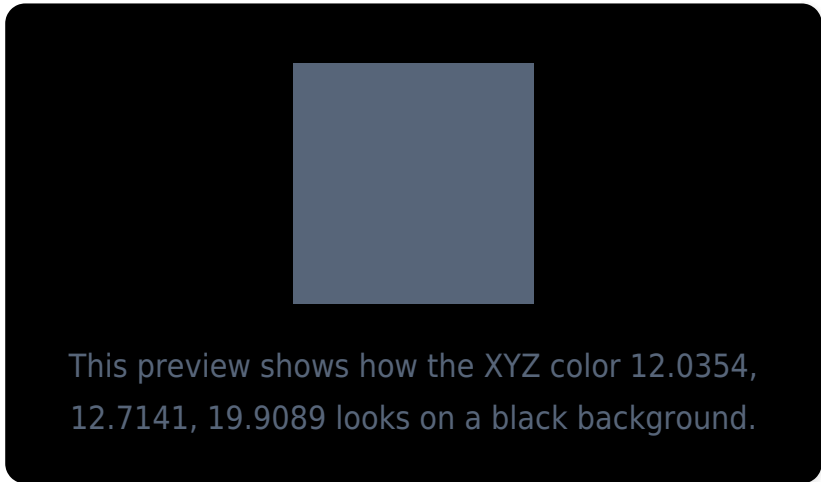
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

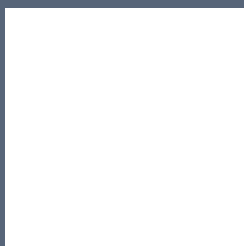
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0354, 12.7141, 19.9089

Background



This preview shows how black text looks on a background with the XYZ color 12.0354, 12.7141, 19.9089.



This preview shows how white text looks on a background with the XYZ color 12.0354, 12.7141,

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

12.0354, 12.7141, 19.9089

Protanopia

12.5713, 12.7126, 19.5605

Deuteranopia

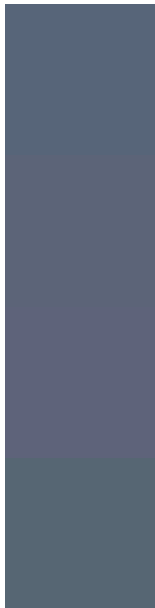
12.9175, 12.7372, 20.1900



Tritanopia

11.4658, 12.7795, 16.9013

Trichromacy



Original Color

12.0354, 12.7141, 19.9089

Protanomaly

12.3610, 12.7457, 19.5780

Deuteranomaly

12.5908, 12.7085, 20.2017

Tritanomaly

11.6836, 12.7190, 18.0589

Monochromacy



Original Color

12.0354, 12.7141, 19.9089

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9303, 12.6088, 15.7149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0354, 12.7141, 19.9089 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, 101, 121) looks like.

```
.text, #text, p{  
    color:rgb(87, 101, 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(87, 101, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 101, 121) }
```

Border

The CSS property to change the border of an element to XYZ 12.0354, 12.7141, 19.9089 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, 101, 121) }
```


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

```
.border{ border-color:rgb(87, 101, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 101, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 101, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 101, 121);  
box-shadow:4px 4px 4px 4px rgb(87, 101,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0354, 12.7141, 19.9089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 101, 121) }
```

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

```
.background{ background-color: rgb(87, 101,  
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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