

Converting Colors

XYZ(12.4052, 12.8281, 16.5276)

Have a look what the booklet for
XYZ(12.4052, 12.8281, 16.5276)
contains.

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Color

**XYZ(12.4086, 12.8368,
16.5756)**

Conversions

Conversions Part 1

Format	Color
Hex	62646E
RGB	98, 100, 110
RGB Percent	38%, 39%, 43%
CMY	0.6157, 0.6078, 0.5686
CMYK	0.11, 0.09, 0.00, 0.57
HSL	230°, 6%, 41%
HSV	230°, 11%, 43%
XYZ	12.4086, 12.8368, 16.5756
YIQ	100.5420, -4.4020, 2.6860

Conversions

Conversions Part 2

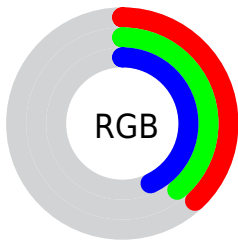
Format	Color
R _Y B	98, 100, 110
Decimal	6448238
CIE Lab	42.52, 1.42, -5.90
CIE LCh	43, 6.069, 283.555
Yxy	12.8368, 0.2967, 0.3069
Android (android.graphics.Color)	4284638318 (0xFF62646E)
YUV	100.5420, 4.6628, -2.2293
Hunter-Lab	35.8285, -0.8793, -2.3498

Details

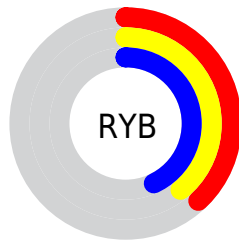
The XYZ color **12.4086, 12.8368, 16.5756** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9975, 14.9217, 13.6978**, and the grayscale version is **12.2413, 12.8788, 14.0250**.

A 20% lighter version of the original color is **29.9826, 31.1314, 38.6111**, and **3.5588, 3.6241, 5.0694** is the 20% darker color. If you saturate the color by 10%, you get **10.4723, 10.6065, 16.2474**, and if you desaturate by 10%, it is **14.6078, 15.3501, 16.9450**.

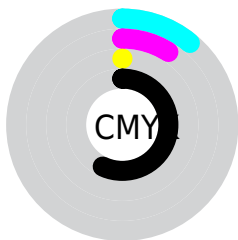
Distribution



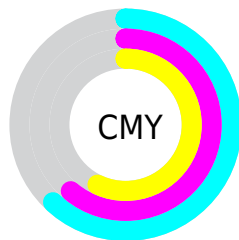
- Red (38%)
- Green (39%)
- Blue (43%)



- Red (38%)
- Yellow (39%)
- Blue (43%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)
- Black (57%)



- Cyan (62%)
- Magenta (61%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4086, 12.8368, 16.5756 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 12.4086, 12.8368, 16.5756 by changing the saturation by 10% instead.

■ 12.4086, 12.8368,
16.5756

■ 12.4086, 12.8368,
16.5756

200.8070,
209.8691, 244.6753

■ 7.0968, 7.3163,
9.7736

■ 29.8476, 31.0103,
38.3752

■ 3.5696, 3.6607,
5.1455

■ 42.7054, 44.4320,
54.2100

■ 1.4616, 1.4856,
2.2726

■ 58.8093, 61.2563,
73.8927

■ 0.2995, 0.2786,
0.7158

■ 78.5246, 81.8674,
97.8420

■ 0.0000, 0.0000,
0.0000

102.2167,
106.6499, 126.4763

130.2509,

135.9881, 160.2143

162.9925,
170.2663, 199.4744

■ 12.4086, 12.8368,
16.5756

■ 12.4086, 12.8368,
16.5756

■ 10.4723, 10.6065,
16.2474

■ 14.6078, 15.3501,
16.9450

■ 8.7877, 8.6477,
15.9581

■ 17.0779, 18.1541,
17.3561

■ 7.3449, 6.9504,
15.7065

■ 19.8284, 21.2586,
17.8103

■ 6.1324, 5.5033,
15.4911

■ 22.8676, 24.6719,
18.3090

■ 5.1383, 4.2944,
15.3101

■ 26.2037, 28.4025,
18.8532

■ 4.3491, 3.3107,
15.1619

■ 29.8444, 32.4582,
19.4441

■ 3.7501, 2.5379,
15.0443

■ 33.7973, 36.8467,
20.0829

■ 3.3244, 1.9598,
14.9551

■ 38.0696, 41.5753,
20.7704

■ 3.0366, 1.5699,
14.8950

■ 42.6683, 46.6514,
21.5078

Harmonies

Analogous

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



11.9533, 12.8368, 16.5387



12.4086, 12.8368, 16.5756



12.8180, 12.8368, 15.8861

Triad

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



12.4086, 12.8368, 16.5756



12.8505, 12.8368, 12.3100



11.3756, 12.8368, 13.2751

Complementary

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



12.4086, 12.8368, 16.5756



13.9975, 14.9217, 13.6978

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.



11.6041, 12.8368, 12.2275



12.4086, 12.8368, 16.5756



12.4520, 12.8368, 11.6946

Square

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



12.4086, 12.8368, 16.5756



13.0775, 12.8368, 13.3942



11.9957, 12.8368, 11.6654



11.3646, 12.8368, 14.5767

Rectangle

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



12.4086, 12.8368, 16.5756



13.0067, 12.8368, 15.1309



11.9957, 12.8368, 11.6654



11.4292, 12.8368, 12.8835

Sweetspot

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



12.4090, 12.8373, 16.5759



24.7757, 25.9566, 29.6115



13.3092, 14.8272, 16.2923



5.7016, 5.9674, 6.8801



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.4090, 12.8373, 16.5759



20.9216, 21.5448, 28.9631



12.6391, 12.6744, 16.5323



3.2585, 3.3822, 4.2353



3.6312, 1.8526, 17.8878



17.6448, 8.3416, 88.9592

Inverse Universe

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



13.0986, 12.9706, 13.8705



22.3829, 21.8373, 23.2281



13.7484, 15.1103, 13.7473



3.4051, 3.4098, 3.6601



7.8512, 4.0328, 1.0263



38.8863, 19.9998, 3.9333

Previews

White Background



This preview shows how the XYZ color 12.4086, 12.8368, 16.5756 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 12.4086, 12.8368, 16.5756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

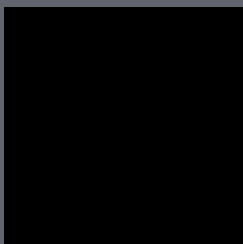
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

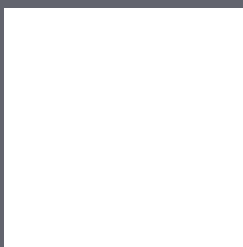
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4086, 12.8368, 16.5756

Background



This preview shows how black text looks on a background with the XYZ color 12.4086, 12.8368, 16.5756.



This preview shows how white text looks on a background with the XYZ color 12.4086, 12.8368,

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

12.4086, 12.8368, 16.5756

Protanopia

12.5172, 12.8928, 16.5807

Deuteranopia

13.0079, 12.8644, 16.5493



Tritanopia

12.3009, 12.7937, 16.0085

Trichromacy



Original Color

12.4086, 12.8368, 16.5756

Protanomaly

12.5172, 12.8928, 16.5807

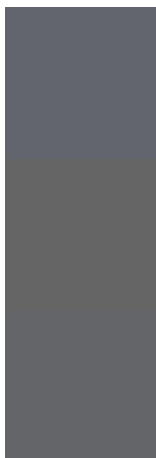
Deuteranomaly

12.7558, 12.8742, 16.5645

Tritanomaly

12.3545, 12.8151, 16.2904

Monochromacy



Original Color

12.4086, 12.8368, 16.5756

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.4079, 13.0162, 14.9551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4086, 12.8368, 16.5756 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(98, 100, 110) looks like.

```
.text, #text, p{  
    color:rgb(98, 100, 110)  
}
```

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(98, 100, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 100, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.4086, 12.8368, 16.5756 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(98, 100, 110) }
```


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

```
.border{ border-color:rgb(98, 100, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 100, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 100, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 100, 110);  
box-shadow:4px 4px 4px 4px rgb(98, 100,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4086, 12.8368, 16.5756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 100, 110) }
```

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

```
.background{ background-color: rgb(98, 100,  
110) }
```

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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