

Converting Colors

XYZ(17.1619, 23.4368, 12.3083)

Have a look what the booklet for
XYZ(17.1619, 23.4368, 12.3083)
contains.

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Color

**XYZ(17.2065, 23.4860,
12.2207)**

Conversions

Conversions Part 1

Format	Color
Hex	679055
RGB	103, 144, 85
RGB Percent	40%, 56%, 33%
CMY	0.5961, 0.4353, 0.6667
CMYK	0.28, 0.00, 0.41, 0.44
HSL	102°, 26%, 45%
HSV	102°, 41%, 56%
XYZ	17.2065, 23.4860, 12.2207
YIQ	125.0150, -5.4970, -27.0410

Conversions

Conversions Part 2

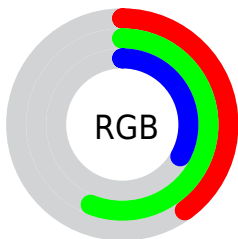
Format	Color
R_{YB}	85, 144, 126
Decimal	6787157
CIE _{Lab}	55.57, -25.64, 26.92
CIE _{LCh}	56, 37.178, 133.603
Yxy	23.4860, 0.3252, 0.4439
Android (android.graphics.Color)	4284977237 (0xFF679055)
YUV	125.0150, -19.7274, -19.3072
Hunter-Lab	48.4624, -21.4329, 18.9726

Details

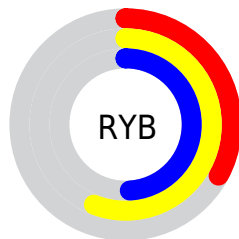
The XYZ color **17.2065, 23.4860, 12.2207** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.8878, 12.9469, 27.9958**, and the grayscale version is **19.5642, 20.5831, 22.4150**.

A 20% lighter version of the original color is **38.0848, 49.1060, 30.3928**, and **5.7324, 8.7255, 3.2158** is the 20% darker color. If you saturate the color by 10%, you get **15.6118, 22.7241, 9.4577**, and if you desaturate by 10%, it is **19.0562, 24.3673, 15.6044**.

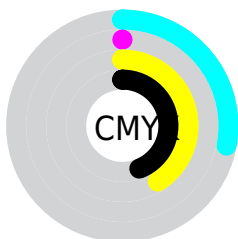
Distribution



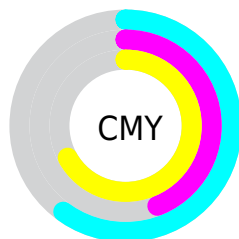
- Red (40%)
- Green (56%)
- Blue (33%)



- Red (33%)
- Yellow (56%)
- Blue (49%)



- Cyan (28%)
- Magenta (0%)
- Yellow (41%)
- Black (44%)



- Cyan (60%)
- Magenta (44%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2065, 23.4860, 12.2207 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 17.2065, 23.4860, 12.2207 by changing the saturation by 10% instead.

■ 17.2065, 23.4860,
12.2207

■ 17.2065, 23.4860,
12.2207

229.4927,
270.2115, 216.8905

■ 10.4780, 14.9528,
6.7698

■ 38.2213, 49.1901,
30.5668

■ 5.7817, 8.7862,
3.2423

■ 53.2383, 67.1298,
44.2991

■ 2.7522, 4.6020,
1.2196

■ 71.7489, 88.9738,
61.6290

■ 1.0241, 2.0157,
0.0000

■ 94.1184, 115.1064,
82.9749

■ 0.0000, 0.6166,
0.0000

■ 120.7121,
145.9121, 108.7555

■ 0.0000, 0.0000,
0.0000

151.8956,

181.7752, 139.3893

188.0340,
223.0802, 175.2947

■ 17.2065, 23.4860,
12.2207

■ 17.2065, 23.4860,
12.2207

■ 15.6118, 22.7241,
9.4577

■ 19.0562, 24.3673,
15.6044

■ 14.2585, 22.0734,
7.2763

■ 21.1703, 25.3700,
19.6418

■ 13.1341, 21.5289,
5.6351

■ 23.5599, 26.4998,
24.3653

■ 12.2243, 21.0843,
4.4868

■ 26.2346, 27.7610,
29.8049

■ 11.5127, 20.7325,
3.7758

■ 29.2038, 29.1579,
35.9886

■ 11.0094, 20.4814,
3.3731

■ 32.4765, 30.6945,
42.9430

■ 36.0610, 32.3746,
50.6935

■ 39.9657, 34.2018,
59.2640

■ 44.1982, 36.1798,
68.6778

Harmonies

Analogous

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



20.4779, 23.4860, 9.0432



17.2065, 23.4860, 12.2207



15.4409, 23.4860, 19.5865

Triad

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



17.2065, 23.4860, 12.2207



20.1210, 23.4860, 54.7728



31.1218, 23.4860, 20.5122

Complementary

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



17.2065, 23.4860, 12.2207



16.8878, 12.9469, 27.9958

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.



30.9949, 23.4860, 32.6679



17.2065, 23.4860, 12.2207



24.2752, 23.4860, 55.2590

Square

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



17.2065, 23.4860, 12.2207



16.9736, 23.4860, 45.0547



28.3642, 23.4860, 46.2274



28.6920, 23.4860, 12.7144

Rectangle

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



17.2065, 23.4860, 12.2207



15.1979, 23.4860, 27.0524



28.3642, 23.4860, 46.2274



31.3852, 23.4860, 24.1471

Sweetspot

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



17.2071, 23.4870, 12.2212



40.9877, 46.4706, 41.8425



20.5161, 21.3337, 11.6312



9.2862, 10.6033, 9.3695



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.2071, 23.4870, 12.2212



27.7875, 40.1995, 17.1061



15.8232, 22.7201, 14.5740



5.4880, 6.1042, 5.7783



9.6085, 17.8460, 2.9382



0.1122, 0.1811, 0.0290

Inverse Universe

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



16.8878, 12.9469, 27.9958



27.1299, 19.0266, 48.7806



18.9973, 14.1255, 23.9831



5.4683, 5.4296, 6.7886



8.9918, 4.1290, 23.3001



0.1085, 0.0511, 0.2238

Previews

White Background



This preview shows how the XYZ color 17.2065, 23.4860, 12.2207 looks on a white 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

Black Background



This preview shows how the XYZ color 17.2065, 23.4860, 12.2207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

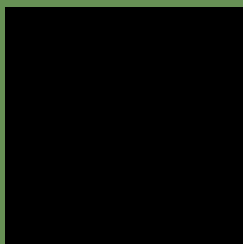
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2065, 23.4860, 12.2207

Background



This preview shows how black text looks on a background with the XYZ color 17.2065, 23.4860, 12.2207.



This preview shows how white text looks on a background with the XYZ color 17.2065, 23.4860,

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

17.2065, 23.4860, 12.2207

Protanopia

21.5498, 23.3889, 11.1633

Deuteranopia

23.6906, 23.2709, 12.6943



Tritanopia

21.1010, 23.5401, 31.4485

Trichromacy



Original Color

17.2065, 23.4860, 12.2207

Protanomaly

19.6746, 23.2463, 11.4327

Deuteranomaly

20.7964, 22.9686, 12.5698

Tritanomaly

19.3864, 23.4880, 22.9139

Monochromacy



Original Color

17.2065, 23.4860, 12.2207

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.4019, 21.4102, 17.9146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2065, 23.4860, 12.2207 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(103, 144, 85)` looks like.

```
.text, #text, p{  
    color:rgb(103, 144, 85)  
}
```

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(103, 144, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 144, 85) }
```

Border

The CSS property to change the border of an element to XYZ 17.2065, 23.4860, 12.2207 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(103, 144, 85) }
```


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

```
.border{ border-color:rgb(103, 144, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 144, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 144, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 144, 85);  
box-shadow:4px 4px 4px 4px rgb(103, 144,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2065, 23.4860, 12.2207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 144, 85) }
```

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

```
.background{ background-color: rgb(103,  
144, 85) }
```

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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