

Converting Colors

XYZ(12.0583, 17.2175, 23.4567)

Have a look what the booklet for
XYZ(12.0583, 17.2175, 23.4567)
contains.

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Color

**XYZ(12.0583, 17.2175,
23.4567)**

Conversions

Conversions Part 1

Format	Color
Hex	188081
RGB	24, 128, 129
RGB Percent	9%, 50%, 51%
CMY	0.9059, 0.4980, 0.4941
CMYK	0.81, 0.01, 0.00, 0.49
HSL	181°, 69%, 30%
HSV	181°, 81%, 51%
XYZ	12.0583, 17.2175, 23.4567
YIQ	97.0180, -62.3050, -21.7370

Conversions

Conversions Part 2

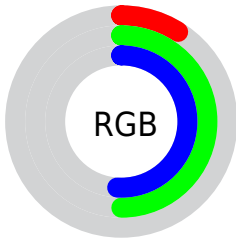
Format	Color
R_{YB}	24, 76, 129
Decimal	1605761
CIE Lab	48.53, -26.92, -8.63
CIE LCh	49, 28.270, 197.776
Yxy	17.2175, 0.2287, 0.3265
Android (android.graphics.Color)	4279795841 (0xFF188081)
YUV	97.0180, 15.7671, -64.0368
Hunter-Lab	41.4940, -20.7417, -4.4711

Details

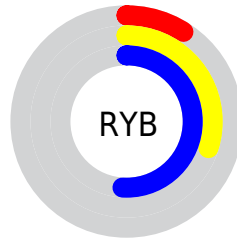
The XYZ color **12.0583, 17.2175, 23.4567** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.5662, 5.4288, 1.4083**, and the grayscale version is **11.3409, 11.9316, 12.9935**.

A 20% lighter version of the original color is **29.1838, 38.5988, 50.1681**, and **4.1724, 6.0280, 8.5330** is the 20% darker color. If you saturate the color by 10%, you get **11.8054, 17.0637, 23.4407**, and if you desaturate by 10%, it is **12.4576, 17.4475, 23.4804**.

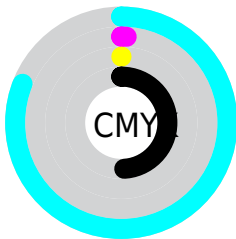
Distribution



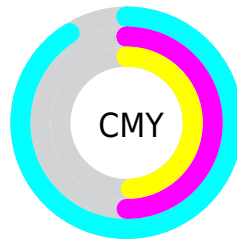
- Red (9%)
- Green (50%)
- Blue (51%)



- Red (9%)
- Yellow (30%)
- Blue (51%)



- Cyan (81%)
- Magenta (1%)
- Yellow (0%)
- Black (49%)



- Cyan (91%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0583, 17.2175, 23.4567 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 12.0583, 17.2175, 23.4567 by changing the saturation by 10% instead.

12.0583, 17.2175,
23.4567

12.0583, 17.2175,
23.4567

198.5529,
236.4227, 283.2597

6.8559, 10.3897,
14.7226

29.2172, 38.6994,
50.0748

3.4177, 5.6581,
8.4805

41.9043, 54.1222,
68.7959

1.3783, 2.6383,
4.3118

57.8171, 73.1788,
91.6832

0.2407, 0.9460,
1.7979

77.3209, 96.2536,
119.1550

0.0000, 0.0000,
0.4266

100.7810,
123.7310, 151.6301

0.0000, 0.0000,
0.0000

128.5628,

155.9954, 189.5268

161.0317,
193.4311, 233.2638

■ 12.0583, 17.2175,
23.4567

■ 12.0583, 17.2175,
23.4567

■ 11.8054, 17.0637,
23.4407

■ 12.4576, 17.4475,
23.4804

■ 11.6522, 16.9643,
23.4296

■ 13.0200, 17.7612,
23.5113

■ 13.7614, 18.1673,
23.5506

■ 14.6956, 18.6728,
23.5989

■ 15.8351, 19.2841,
23.6569

■ 17.1911, 20.0071,
23.7249

■ 18.7742, 20.8471,
23.8036

■ 20.5942, 21.8094,
23.8934

■ 22.6605, 22.8986,
23.9948

Harmonies

Analogous

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



11.9565, 17.2175, 15.8810



12.0583, 17.2175, 23.4567



13.2353, 17.2175, 31.4449

Triad

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



12.0583, 17.2175, 23.4567



20.3447, 17.2175, 30.0834



17.4441, 17.2175, 7.9620

Complementary

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



12.0583, 17.2175, 23.4567



9.5662, 5.4288, 1.4083

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.



19.9522, 17.2175, 10.0311



12.0583, 17.2175, 23.4567



21.7417, 17.2175, 21.9384

Square

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



12.0583, 17.2175, 23.4567



17.9358, 17.2175, 35.9127



21.5908, 17.2175, 14.7140



14.8882, 17.2175, 8.1661

Rectangle

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



12.0583, 17.2175, 23.4567



14.5491, 17.2175, 35.3307



21.5908, 17.2175, 14.7140



18.3254, 17.2175, 8.3860

Sweetspot

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



12.0588, 17.2181, 23.4571



29.9712, 35.3945, 42.4447



8.3922, 15.9611, 3.5031



6.6183, 7.9231, 9.5988



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.0588, 17.2181, 23.4571



20.9074, 30.3988, 41.9581



6.9587, 7.0180, 21.7571



4.4430, 4.8801, 5.5211



11.3610, 16.5405, 22.8438



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2766, 6.8794, 21.0508



23.1991, 11.2109, 37.3699



11.8377, 9.9719, 2.1654



4.4965, 4.4117, 5.4188



12.6115, 6.0643, 20.3416



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0583, 17.2175, 23.4567 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 12.0583, 17.2175, 23.4567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

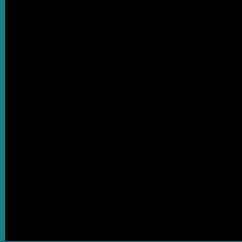
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0583, 17.2175, 23.4567

Background



This preview shows how black text looks on a background with the XYZ color 12.0583, 17.2175, 23.4567.

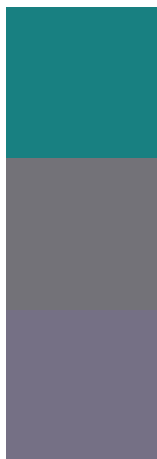


This preview shows how white text looks on a background with the XYZ color 12.0583, 17.2175,

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

12.0583, 17.2175, 23.4567

Protanopia

16.4777, 17.0355, 20.1890

Deuteranopia

17.3639, 17.0637, 24.5687



Tritanopia

12.7004, 17.2920, 26.3352

Trichromacy



Original Color

12.0583, 17.2175, 23.4567

Protanomaly

13.6517, 16.4176, 21.1883

Deuteranomaly

14.2106, 16.4618, 24.2583

Tritanomaly

12.3991, 17.1612, 25.2132

Monochromacy



Original Color

12.0583, 17.2175, 23.4567

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.6487, 13.1313, 16.4414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0583, 17.2175, 23.4567 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(24, 128, 129)` looks like.

```
.text, #text, p{  
    color:rgb(24, 128, 129)  
}
```

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(24, 128, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 128, 129) }
```

Border

The CSS property to change the border of an element to XYZ 12.0583, 17.2175, 23.4567 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(24, 128, 129) }
```


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

```
.border{ border-color:rgb(24, 128, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 128, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 128, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 128, 129);  
box-shadow:4px 4px 4px 4px rgb(24, 128,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0583, 17.2175, 23.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 128, 129) }
```

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

```
.background{ background-color: rgb(24, 128,  
129) }
```

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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