

Converting Colors

XYZ(10.2184, 14.1553, 19.4743)

Have a look what the booklet for
XYZ(10.2184, 14.1553, 19.4743)
contains.

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Color

**XYZ(10.2085, 14.1561,
19.3339)**

Conversions

Conversions Part 1

Format	Color
Hex	237476
RGB	35, 116, 118
RGB Percent	14%, 45%, 46%
CMY	0.8627, 0.5451, 0.5373
CMYK	0.70, 0.02, 0.00, 0.54
HSL	181°, 54%, 30%
HSV	181°, 70%, 46%
XYZ	10.2085, 14.1561, 19.3339
YIQ	92.0090, -48.9180, -16.5500

Conversions

Conversions Part 2

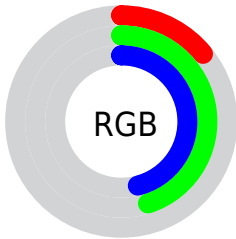
Format	Color
RYB	35, 76, 118
Decimal	2323574
CIELab	44.46, -22.91, -8.18
CIELCh	44, 24.330, 199.643
Yxy	14.1561, 0.2336, 0.3239
Android (android.graphics.Color)	4280513654 (0xFF237476)
YUV	92.0090, 12.8136, -49.9969
Hunter-Lab	37.6246, -17.4115, -4.1297

Details

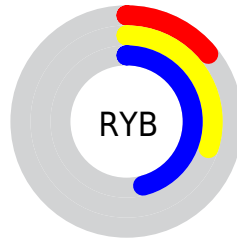
The XYZ color **10.2085, 14.1561, 19.3339** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.4364, 5.2963, 2.1680**, and the grayscale version is **10.1547, 10.6835, 11.6343**.

A 20% lighter version of the original color is **25.7725, 33.2347, 43.0868**, and **3.1126, 4.4565, 6.4905** is the 20% darker color. If you saturate the color by 10%, you get **9.8410, 13.9184, 19.3076**, and if you desaturate by 10%, it is **10.7117, 14.4646, 19.3672**.

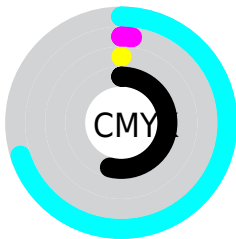
Distribution



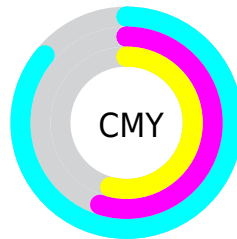
- Red (14%)
- Green (45%)
- Blue (46%)



- Red (14%)
- Yellow (30%)
- Blue (46%)



- Cyan (70%)
- Magenta (2%)
- Yellow (0%)
- Black (54%)



- Cyan (86%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2085, 14.1561, 19.3339 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 10.2085, 14.1561, 19.3339 by changing the saturation by 10% instead.

10.2085, 14.1561,
19.3339

10.2085, 14.1561,
19.3339

186.1764,
218.1998, 260.7698

5.6007, 8.2293,
11.7325

25.8331, 33.3657,
43.1417

2.6422, 4.2420,
6.4415

37.5806, 47.4174,
60.1853

0.9675, 1.8099,
3.0423

52.4387, 64.9461,
81.2134

0.0000, 0.4933,
1.1163

70.7729, 86.3363,
106.6444

0.0000, 0.0000,
0.0000

92.9484, 111.9724,
136.8971

119.3306,

142.2387, 172.3898

150.2848,
177.5197, 213.5412

■ 10.2085, 14.1561,
19.3339

■ 10.2085, 14.1561,
19.3339

■ 9.8410, 13.9184,
19.3076

■ 10.7117, 14.4646,
19.3672

■ 9.5938, 13.7425,
19.2867

■ 11.3616, 14.8484,
19.4070

■ 9.4189, 13.6058,
19.2695

■ 12.1694, 15.3139,
19.4543

■ 13.1450, 15.8659,
19.5094

■ 14.2972, 16.5093,
19.5729

■ 15.6346, 17.2482,
19.6450

■ 17.1650, 18.0867,
19.7262

■ 18.8958, 19.0287,
19.8168

■ 20.8339, 20.0778,
19.9171

Harmonies

Analogous

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



10.0777, 14.1561, 13.5534



10.2085, 14.1561, 19.3339



11.1591, 14.1561, 25.1880

Triad

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



10.2085, 14.1561, 19.3339



16.5360, 14.1561, 23.5125



14.1440, 14.1561, 7.0474

Complementary

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



10.2085, 14.1561, 19.3339



8.4364, 5.2963, 2.1680

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.



16.0459, 14.1561, 8.5650



10.2085, 14.1561, 19.3339



17.5132, 14.1561, 17.4367

Square

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



10.2085, 14.1561, 19.3339



14.7620, 14.1561, 27.9772



17.3256, 14.1561, 12.0626



12.2274, 14.1561, 7.3192

Rectangle

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



10.2085, 14.1561, 19.3339



12.1860, 14.1561, 27.9088



17.3256, 14.1561, 12.0626



14.8090, 14.1561, 7.3473

Sweetspot

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



10.2089, 14.1566, 19.3342



24.8817, 28.8854, 34.4010



7.4962, 13.4442, 3.9001



5.6179, 6.5840, 7.9037



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.2089, 14.1566, 19.3342



17.0291, 24.2823, 33.9264



6.4875, 6.7137, 18.0938



3.7761, 4.1409, 4.6905



10.1885, 14.7166, 20.8462



49.5546, 71.5258, 101.5544

Inverse Universe

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



11.2250, 6.3149, 17.1508



18.9708, 9.6445, 29.6756



10.4910, 9.4055, 2.8529



3.8230, 3.7565, 4.5948



11.4398, 5.5096, 18.0560



55.6996, 26.8300, 87.7365

Previews

White Background



This preview shows how the XYZ color 10.2085, 14.1561, 19.3339 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 10.2085, 14.1561, 19.3339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

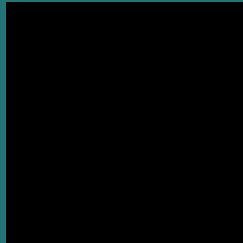
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2085, 14.1561, 19.3339

Background



This preview shows how black text looks on a background with the XYZ color 10.2085, 14.1561, 19.3339.



This preview shows how white text looks on a background with the XYZ color 10.2085, 14.1561,

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

10.2085, 14.1561, 19.3339

Protanopia

13.6453, 14.0516, 17.0320

Deuteranopia

14.2660, 14.0090, 20.0413



Tritanopia

10.6055, 14.1480, 21.2407

Trichromacy



Original Color

10.2085, 14.1561, 19.3339

Protanomaly

11.7081, 13.6455, 17.9364

Deuteranomaly

12.0412, 13.6208, 19.7637

Tritanomaly

10.4429, 14.0787, 20.5794

Monochromacy



Original Color

10.2085, 14.1561, 19.3339

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.6012, 11.5865, 14.0423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2085, 14.1561, 19.3339 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(35, 116, 118)` looks like.

```
.text, #text, p{  
    color:rgb(35, 116, 118)  
}
```

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(35, 116, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 116, 118) }
```

Border

The CSS property to change the border of an element to XYZ 10.2085, 14.1561, 19.3339 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(35, 116, 118) }
```


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

```
.border{ border-color:rgb(35, 116, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 116, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 116, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 116, 118);  
box-shadow:4px 4px 4px 4px rgb(35, 116,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2085, 14.1561, 19.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 116, 118) }
```

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

```
.background{ background-color: rgb(35, 116,  
118) }
```

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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