

Converting Colors

XYZ(20.2810, 24.6687, 21.6885)

Have a look what the booklet for
XYZ(20.2810, 24.6687, 21.6885)
contains.

XYZ(20.3439, 24.6702, 21.7788)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.3439, 24.6702,
21.7788)**

Conversions

Conversions Part 1

Format	Color
Hex	738F79
RGB	115, 143, 121
RGB Percent	45%, 56%, 47%
CMY	0.5490, 0.4392, 0.5255
CMYK	0.20, 0.00, 0.15, 0.44
HSL	133°, 11%, 51%
HSV	133°, 20%, 56%
XYZ	20.3439, 24.6702, 21.7788
YIQ	132.1200, -9.6260, -12.7780

Conversions

Conversions Part 2

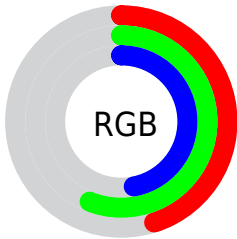
Format	Color
R_{YB}	115, 138, 143
Decimal	7573369
CIE _{Lab}	56.75, -14.50, 8.47
CIE _{LCh}	57, 16.792, 149.705
Yxy	24.6702, 0.3046, 0.3694
Android (android.graphics.Color)	4285763449 (0xFF738F79)
YUV	132.1200, -5.4822, -15.0142
Hunter-Lab	49.6691, -13.8094, 8.7710

Details

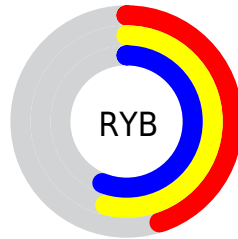
The XYZ color **20.3439, 24.6702, 21.7788** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.9746, 19.9079, 26.3524**, and the grayscale version is **21.9976, 23.1432, 25.2029**.

A 20% lighter version of the original color is **43.4454, 51.1651, 47.1212**, and **7.3308, 9.4548, 7.5695** is the 20% darker color. If you saturate the color by 10%, you get **17.9580, 23.5160, 18.2775**, and if you desaturate by 10%, it is **23.1032, 26.0090, 25.7177**.

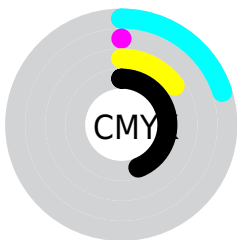
Distribution



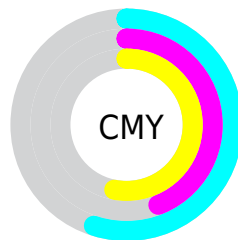
- Red (45%)
- Green (56%)
- Blue (47%)



- Red (45%)
- Yellow (54%)
- Blue (56%)



- Cyan (20%)
- Magenta (0%)
- Yellow (15%)
- Black (44%)



- Cyan (55%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3439, 24.6702, 21.7788 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 20.3439, 24.6702, 21.7788 by changing the saturation by 10% instead.

■ 20.3439, 24.6702,
21.7788

■ 20.3439, 24.6702,
21.7788

246.5690,
276.1915, 274.3046

■ 12.7550, 15.8315,
13.4977

■ 43.4926, 51.1217,
47.2776

■ 7.3359, 9.4050,
7.6374

■ 59.7830, 69.5033,
65.3324

■ 3.7212, 5.0063,
3.7794

■ 79.7047, 91.8346,
87.4822

■ 1.5457, 2.2509,
1.5051

■ 103.6230,
118.5001, 114.1455

■ 0.3566, 0.7476,
0.2217

131.9032,
149.8842, 145.7408

■ 0.0000, 0.0000,
0.0000

164.9107,

186.3711, 182.6868

203.0109,
228.3455, 225.4019

■ 20.3439, 24.6702,
21.7788

■ 20.3439, 24.6702,
21.7788

■ 17.9580, 23.5160,
18.2775

■ 23.1032, 26.0090,
25.7177

■ 15.9273, 22.5352,
15.1970

■ 26.2490, 27.5369,
30.1067

■ 14.2352, 21.7203,
12.5219

■ 29.7962, 29.2618,
34.9603

■ 12.8627, 21.0620,
10.2353

■ 33.7586, 31.1906,
40.2914

■ 11.7892, 20.5499,
8.3190

■ 38.1489, 33.3296,
46.1126

■ 10.9914, 20.1724,
6.7535

■ 42.9796, 35.6849,
52.4360

■ 10.4425, 19.9162,
5.5172

■ 48.2625, 38.2625,
59.2734

■ 10.0792, 19.7492,
4.5849

■ 54.0090, 41.0679,
66.6360

■ 10.0655, 19.7429,
4.5520

■ 60.2302, 44.1067,
74.5348

Harmonies

Analogous

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



21.6308, 24.6702, 18.5386



20.3439, 24.6702, 21.7788



19.8796, 24.6702, 26.8061

Triad

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



20.3439, 24.6702, 21.7788



23.4289, 24.6702, 39.1581



26.8747, 24.6702, 21.8627

Complementary

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



20.3439, 24.6702, 21.7788



21.9746, 19.9079, 26.3524

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.



27.4204, 24.6702, 26.9173



20.3439, 24.6702, 21.7788



25.3648, 24.6702, 37.3638

Square

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



20.3439, 24.6702, 21.7788



21.5989, 24.6702, 37.2946



26.8534, 24.6702, 32.6795



25.4003, 24.6702, 18.5821

Rectangle

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



20.3439, 24.6702, 21.7788



20.0778, 24.6702, 30.6657



26.8534, 24.6702, 32.6795



27.1764, 24.6702, 23.3860

Sweetspot

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



20.3446, 24.6712, 21.7793



43.2386, 47.4821, 48.6769



23.3001, 26.2361, 20.0561



9.8443, 10.8541, 11.0628



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.



20.3446, 24.6712, 21.7793



34.6857, 43.3344, 36.4613



21.2385, 25.0288, 26.4868



5.3872, 6.0471, 6.0051



8.9062, 17.4583, 4.0602



0.0920, 0.1697, 0.0750

Inverse Universe

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



21.9746, 19.9079, 26.3524



38.0925, 33.3771, 46.0171



21.0594, 19.5418, 21.5330



5.5775, 5.4915, 6.5389



12.6273, 6.2079, 14.2204



0.1287, 0.0625, 0.1779

Previews

White Background



This preview shows how the XYZ color 20.3439, 24.6702, 21.7788 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 20.3439, 24.6702, 21.7788 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 20.3439, 24.6702, 21.7788

Background



This preview shows how black text looks on a background with the XYZ color 20.3439, 24.6702, 21.7788.



This preview shows how white text looks on a background with the XYZ color 20.3439, 24.6702,

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

20.3439, 24.6702, 21.7788

Protanopia

23.2026, 24.4519, 20.3264

Deuteranopia

24.8283, 24.4350, 22.1467



Tritanopia

22.4834, 24.6603, 32.4291

Trichromacy



Original Color

20.3439, 24.6702, 21.7788

Protanomaly

22.0314, 24.4715, 20.7018

Deuteranomaly

22.8243, 24.2221, 21.8847

Tritanomaly

21.5095, 24.4718, 28.0160

Monochromacy



Original Color

20.3439, 24.6702, 21.7788

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.3046, 23.6025, 23.8549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3439, 24.6702, 21.7788 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(115, 143, 121)` looks like.

```
.text, #text, p{  
    color:rgb(115, 143, 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(115, 143, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 143, 121) }
```

Border

The CSS property to change the border of an element to XYZ 20.3439, 24.6702, 21.7788 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(115, 143, 121) }
```


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

```
.border{ border-color:rgb(115, 143, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 143, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 143, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 143, 121);  
box-shadow:4px 4px 4px 4px rgb(115, 143,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3439, 24.6702, 21.7788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 143, 121) }
```

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

```
.background{ background-color: rgb(115,  
143, 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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