

Converting Colors

XYZ(20.3022, 21.2941, 23.5091)

Have a look what the booklet for
XYZ(20.3022, 21.2941, 23.5091)
contains.

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Color

**XYZ(20.2381, 21.2493,
23.4569)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7F80
RGB	127, 127, 128
RGB Percent	50%, 50%, 50%
CMY	0.5020, 0.5019, 0.4980
CMYK	0.01, 0.01, 0.00, 0.50
HSL	240°, 0%, 50%
HSV	240°, 1%, 50%
XYZ	20.2381, 21.2493, 23.4569
YIQ	127.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
R_{YB}	127, 127, 128
Decimal	8355712
CIE Lab	53.22, 0.20, -0.55
CIE LCh	53, 0.584, 290.347
Yxy	21.2493, 0.3116, 0.3272
Android (android.graphics.Color)	4286545792 (0xFF7F7F80)
YUV	127.1140, 0.4368, -0.1000
Hunter-Lab	46.0970, -2.3022, 2.0976

Details

The XYZ color **20.2381, 21.2493, 23.4569** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.4521, 21.5597, 23.1626**, and the grayscale version is **20.2111, 21.2637, 23.1561**.

A 20% lighter version of the original color is **43.4841, 45.6820, 50.2417**, and **7.2776, 7.6330, 8.4869** is the 20% darker color. If you saturate the color by 10%, you get **16.9048, 17.2352, 22.8581**, and if you desaturate by 10%, it is **24.0241, 25.8087, 24.1377**.

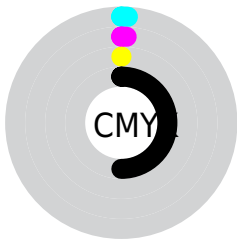
Distribution



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



- Red (50%)
- Yellow (50%)
- Blue (50%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (50%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2381, 21.2493, 23.4569 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 20.2381, 21.2493, 23.4569 by changing the saturation by 10% instead.

■ 20.2381, 21.2493,
23.4569

■ 20.2381, 21.2493,
23.4569

246.0103,
258.6004, 283.2607

■ 12.6775, 13.3064,
14.7228

■ 43.3169, 45.5021,
50.0751

■ 7.2823, 7.6398,
8.4806

■ 59.5659, 62.5807,
68.7963

■ 3.6872, 3.8654,
4.3118

■ 79.4416, 83.4733,
91.6837

■ 1.5267, 1.5985,
1.7979

103.3096,
108.5643, 119.1556

■ 0.3439, 0.3566,
0.4266

131.5350,
138.2382, 151.6308

■ 0.0000, 0.0000,
0.0000

164.4834,

172.8792, 189.5276

202.5200,
212.8718, 233.2648

■ 20.2381, 21.2493,
23.4569

■ 20.2381, 21.2493,
23.4569

■ 16.9048, 17.2352,
22.8581

■ 24.0241, 25.8087,
24.1377

■ 14.0056, 13.7433,
22.3369

■ 28.2770, 30.9299,
24.9021

■ 11.5231, 10.7530,
21.8906

■ 33.0125, 36.6320,
25.7531

■ 9.4383, 8.2413,
21.5156

■ 38.2453, 42.9324,
26.6934

■ 7.7303, 6.1834,
21.2084

■ 43.9891, 49.8480,
27.7255

■ 6.3769, 4.5522,
20.9649

■ 50.2573, 57.3947,
28.8518

■ 5.3530, 3.3178,
20.7806

■ 57.0627, 65.5879,
30.0746

■ 4.6306, 2.4464,
20.6505

■ 64.4179, 74.4428,
31.3961

■ 4.1768, 1.8985,
20.5687

■ 72.3347, 83.9736,
32.8184

Harmonies

Analogous

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



20.1769, 21.2493, 23.4734



20.2381, 21.2493, 23.4569



20.2883, 21.2493, 23.3544

Triad

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



20.2381, 21.2493, 23.4569



20.2726, 21.2493, 22.8763



20.0801, 21.2493, 23.0800

Complementary

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



20.2381, 21.2493, 23.4569



20.4521, 21.5597, 23.1626

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.



20.1056, 21.2493, 22.9207



20.2381, 21.2493, 23.4569



20.2167, 21.2493, 22.8035

Square

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



20.2381, 21.2493, 23.4569



20.3083, 21.2493, 23.0189



20.1556, 21.2493, 22.8198



20.0858, 21.2493, 23.2552

Rectangle

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



20.2381, 21.2493, 23.4569



20.3088, 21.2493, 23.2513



20.1556, 21.2493, 22.8198



20.0853, 21.2493, 23.0228

Sweetspot

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



20.2387, 21.2502, 23.4574



36.1244, 38.0056, 41.3881



20.3671, 21.5088, 23.4948



8.4577, 8.8982, 9.6901



62.3462, 65.5931, 71.4309

Same Dimension

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



20.2387, 21.2502, 23.4574



35.4815, 37.2315, 41.2726



20.3106, 21.2869, 23.4607



4.7592, 4.9954, 5.5266



3.8659, 1.5504, 20.3454



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.3227, 21.3007, 23.1201



35.6750, 37.3478, 40.4958



20.3798, 21.5228, 23.1593



4.7823, 5.0093, 5.4341



8.8283, 4.5510, 0.4197



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.2381, 21.2493, 23.4569 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 20.2381, 21.2493, 23.4569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

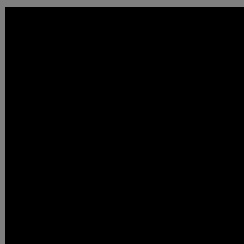
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

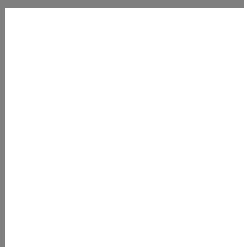
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2381, 21.2493, 23.4569

Background



This preview shows how black text looks on a background with the XYZ color 20.2381, 21.2493, 23.4569.



This preview shows how white text looks on a background with the XYZ color 20.2381, 21.2493,

23.4569.

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

20.2381, 21.2493, 23.4569

Protanopia

20.4104, 21.1473, 23.4282

Deuteranopia

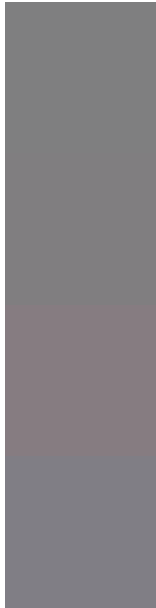
21.5266, 21.1542, 23.7175



Tritanopia

20.8069, 21.2885, 26.3050

Trichromacy



Original Color

20.2381, 21.2493, 23.4569

Protanomaly

20.2592, 21.0694, 23.4211

Deuteranomaly

21.0016, 21.0686, 23.7286

Tritanomaly

20.5966, 21.2044, 25.1976

Monochromacy



Original Color

20.2381, 21.2493, 23.4569

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.1725, 21.2231, 23.1119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2381, 21.2493, 23.4569 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(127, 127, 128)` looks like.

```
.text, #text, p{  
    color:rgb(127, 127, 128)  
}
```

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(127, 127, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 127, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.2381, 21.2493, 23.4569 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(127, 127, 128) }
```

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

```
.border{ border-color:rgb(127, 127, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 127, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 127, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 127, 128); box-shadow:4px 4px 4px 4px rgb(127, 127, 128) }
```


Background

The CSS property to change the background color of an element to XYZ 20.2381, 21.2493, 23.4569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 127, 128) }
```

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

```
.background{ background-color: rgb(127,  
127, 128) }
```

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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