

Converting Colors

XYZ(22.3770, 23.5444, 25.6351)

Have a look what the booklet for
XYZ(22.3770, 23.5444, 25.6351)
contains.

XYZ(22.2940, 23.4551, 25.5426)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(22.2940, 23.4551,
25.5426)**

Conversions

Conversions Part 1

Format	Color
Hex	858585
RGB	133, 133, 133
RGB Percent	52%, 52%, 52%
CMY	0.4784, 0.4784, 0.4784
CMYK	0.00, 0.00, 0.00, 0.48
HSL	132°, 0%, 52%
HSV	132°, 0%, 52%
XYZ	22.2940, 23.4551, 25.5426
YIQ	133.0000, 0.0000, 0.0000

Conversions

Conversions Part 2

Format	Color
R_{YB}	133, 133, 133
Decimal	8750469
CIE _{Lab}	55.54, 0.00, -0.01
CIE _{LCh}	56, 0.007, 294.406
Yxy	23.4551, 0.3127, 0.3290
Android (android.graphics.Color)	4286940549 (0xFF858585)
YUV	133.0000, 0.0000, 0.0000
Hunter-Lab	48.4305, -2.5844, 2.6313

Details

The XYZ color **22.2940, 23.4551, 25.5426** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.2949, 23.4555, 25.5437**, and the grayscale version is **22.2949, 23.4560, 25.5435**.

A 20% lighter version of the original color is **46.6715, 49.1021, 53.4722**, and **8.4267, 8.8656, 9.6546** is the 20% darker color. If you saturate the color by 10%, you get **19.6295, 22.1626, 21.7835**, and if you desaturate by 10%, it is **25.2998, 24.9163, 29.7050**.

Distribution



- Red (52%)
- Green (52%)
- Blue (52%)



- Red (52%)
- Yellow (52%)
- Blue (52%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (48%)



- Cyan (48%)
- Magenta (48%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2940, 23.4551, 25.5426 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 22.2940, 23.4551, 25.5426 by changing the saturation by 10% instead.

■ 22.2940, 23.4551,
25.5426

■ 22.2940, 23.4551,
25.5426

256.6814,
270.0539, 294.0631

■ 14.1909, 14.9299,
16.2591

■ 46.7067, 49.1395,
53.5111

■ 8.3361, 8.7702,
9.5513

■ 63.7470, 67.0676,
73.0332

■ 4.3644, 4.5916,
5.0008

■ 84.4970, 88.8986,
96.8052

■ 1.9103, 2.0097,
2.1890

109.3222,
115.0172, 125.2457

■ 0.5828, 0.6131,
0.6680

138.5879,
145.8076, 158.7732

■ 0.0000, 0.0000,
0.0000

172.6594,

181.6543, 197.8062

211.9021,
222.9416, 242.7634

■ 22.2940, 23.4551,
25.5426

■ 22.2940, 23.4551,
25.5426

■ 19.6295, 22.1626,
21.7835

■ 25.2998, 24.9163,
29.7050

■ 17.2922, 21.0298,
18.4144

■ 28.6564, 26.5489,
34.2808

■ 15.2699, 20.0515,
15.4230

■ 32.3754, 28.3593,
39.2813

■ 13.5491, 19.2207,
12.7962

■ 36.4673, 30.3526,
44.7173

■ 12.1151, 18.5303,
10.5201

■ 40.9420, 32.5339,
50.5989

■ 10.9518, 17.9724,
8.5797

■ 45.8092, 34.9078,
56.9360

■ 10.0420, 17.5382,
6.9591

■ 51.0782, 37.4790,
63.7382

■ 9.3658, 17.2181,
5.6410

■ 56.7581, 40.2519,
71.0147

■ 8.9007, 17.0008,
4.6065

■ 62.8575, 43.2308,
78.7746

Harmonies

Analogous

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



22.2932, 23.4551, 25.5430



22.2940, 23.4551, 25.5426



22.2946, 23.4551, 25.5412

Triad

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



22.2940, 23.4551, 25.5426



22.2943, 23.4551, 25.5351



22.2918, 23.4551, 25.5382

Complementary

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



22.2940, 23.4551, 25.5426



22.2949, 23.4555, 25.5437

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.



22.2921, 23.4551, 25.5361



22.2940, 23.4551, 25.5426



22.2935, 23.4551, 25.5343

Square

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



22.2940, 23.4551, 25.5426



22.2948, 23.4551, 25.5368



22.2927, 23.4551, 25.5346



22.2920, 23.4551, 25.5404

Rectangle

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



22.2940, 23.4551, 25.5426



22.2948, 23.4551, 25.5398



22.2927, 23.4551, 25.5346



22.2919, 23.4551, 25.5374

Sweetspot

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



22.2947, 23.4561, 25.5431



39.9242, 42.0033, 45.7416



22.2950, 23.4563, 25.5429



8.9945, 9.4630, 10.3052



64.0503, 67.3860, 73.3833

Same Dimension

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



22.2947, 23.4561, 25.5431



39.9242, 42.0033, 45.7416



22.2948, 23.4562, 25.5437



5.2251, 5.4972, 5.9864



8.1794, 16.0546, 3.6643



0.0305, 0.0565, 0.0241

Inverse Universe

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



22.2949, 23.4555, 25.5437



39.9242, 42.0033, 45.7416



22.2948, 23.4555, 25.5431



5.2251, 5.4972, 5.9864



11.6983, 5.7437, 13.5153



0.0431, 0.0209, 0.0602

Previews

White Background



This preview shows how the XYZ color 22.2940, 23.4551, 25.5426 looks on a white background.

Color Contrast Check

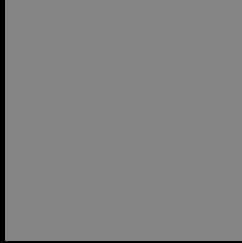
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2940, 23.4551, 25.5426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

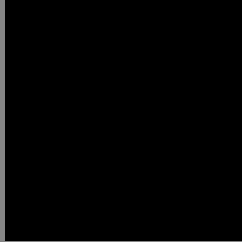
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2940, 23.4551, 25.5426

Background



This preview shows how black text looks on a background with the XYZ color 22.2940, 23.4551, 25.5426.



This preview shows how white text looks on a background with the XYZ color 22.2940, 23.4551,

25.5426.

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

22.2940, 23.4551, 25.5426

Protanopia

22.4766, 23.3469, 25.5121

Deuteranopia

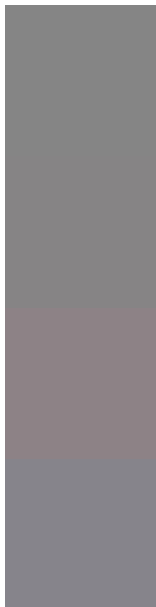
23.8304, 23.4415, 25.8229



Tritanopia

22.9653, 23.5239, 28.9213

Trichromacy



Original Color

22.2940, 23.4551, 25.5426

Protanomaly

22.3164, 23.2643, 25.5046

Deuteranomaly

23.2702, 23.3492, 25.8346

Tritanomaly

22.7430, 23.4349, 27.7508

Monochromacy



Original Color

22.2940, 23.4551, 25.5426

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.2940, 23.4551, 25.5426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2940, 23.4551, 25.5426 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(133, 133, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 133, 133)  
}
```

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(133, 133, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 133, 133) }
```

Border

The CSS property to change the border of an element to XYZ 22.2940, 23.4551, 25.5426 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(133, 133, 133) }
```

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

```
.border{ border-color:rgb(133, 133, 133) }
```

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

Here you see how a box with a 4 pixel rgb(133, 133, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 133, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 133, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 133,  
133) }
```


Background

The CSS property to change the background color of an element to XYZ 22.2940, 23.4551, 25.5426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 133, 133) }
```

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

```
.background{ background-color: rgb(133,  
133, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor