

Converting Colors

XYZ(23.7088, 24.6705, 33.9806)

Have a look what the booklet for
XYZ(23.7088, 24.6705, 33.9806)
contains.

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Color

**XYZ(23.6902, 24.6085,
34.0732)**

Conversions

Conversions Part 1

Format	Color
Hex	81889A
RGB	129, 136, 154
RGB Percent	51%, 53%, 60%
CMY	0.4941, 0.4667, 0.3961
CMYK	0.16, 0.12, 0.00, 0.40
HSL	223°, 11%, 55%
HSV	223°, 16%, 60%
XYZ	23.6902, 24.6085, 34.0732
YIQ	135.9590, -9.9500, 4.1140

Conversions

Conversions Part 2

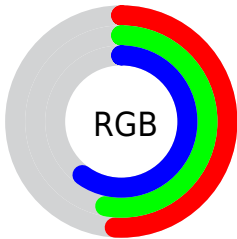
Format	Color
R_{YB}	129, 134, 154
Decimal	8489114
CIE _{Lab}	56.69, 1.34, -10.45
CIE _{LCh}	57, 10.538, 277.286
Yxy	24.6085, 0.2876, 0.2987
Android (android.graphics.Color)	4286679194 (0xFF81889A)
YUV	135.9590, 8.8942, -6.1030
Hunter-Lab	49.6070, -1.5681, -5.9993

Details

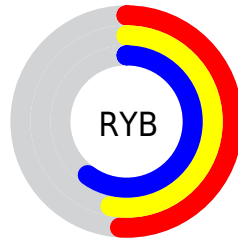
The XYZ color **23.6902, 24.6085, 34.0732** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.7230, 29.3227, 24.9683**, and the grayscale version is **23.3574, 24.5738, 26.7609**.

A 20% lighter version of the original color is **48.8742, 50.8943, 66.9222**, and **9.0004, 9.2971, 14.1521** is the 20% darker color. If you saturate the color by 10%, you get **20.0435, 20.5297, 33.4785**, and if you desaturate by 10%, it is **27.8525, 29.1942, 34.7393**.

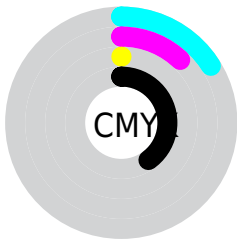
Distribution



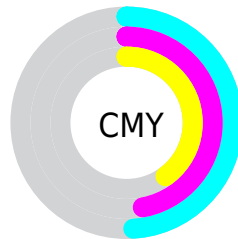
- Red (51%)
- Green (53%)
- Blue (60%)



- Red (51%)
- Yellow (53%)
- Blue (60%)



- Cyan (16%)
- Magenta (12%)
- Yellow (0%)
- Black (40%)



- Cyan (49%)
- Magenta (47%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6902, 24.6085, 34.0732 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 23.6902, 24.6085, 34.0732 by changing the saturation by 10% instead.

■ 23.6902, 24.6085,
34.0732

■ 23.6902, 24.6085,
34.0732

263.7201,
275.8826, 335.2374

■ 15.2275, 15.7856,
22.6720

■ 48.9825, 51.0214,
67.1827

■ 9.0665, 9.3726,
14.1485

■ 66.5429, 69.3802,
89.7281

■ 4.8421, 4.9850,
8.0841

■ 87.8664, 91.6864,
116.8253

■ 2.1887, 2.2385,
4.0603

113.3185,
118.3244, 148.8928

■ 0.7368, 0.7408,
1.6585

143.2646,
149.6786, 186.3493

■ 0.0000, 0.0000,
0.3320

178.0700,

■ 0.0000, 0.0000,

186.1335, 229.6132

0.0000

218.1001,
228.0733, 279.1030

■ 23.6902, 24.6085,
34.0732

■ 23.6902, 24.6085,
34.0732

■ 20.0435, 20.5297,
33.4785

■ 27.8525, 29.1942,
34.7393

■ 16.8895, 16.9369,
32.9513

■ 32.5477, 34.3007,
35.4775

■ 14.2071, 13.8121,
32.4895

■ 37.7948, 39.9452,
36.2905

■ 11.9723, 11.1350,
32.0905

■ 43.6114, 46.1431,
37.1802

■ 10.1593, 8.8837,
31.7516

■ 50.0140, 52.9091,
38.1487

■ 8.7392, 7.0344,
31.4695

■ 57.0189, 60.2576,
39.1979

■ 7.6792, 5.5604,
31.2408

■ 64.6413, 68.2021,
40.3297

■ 6.9341, 4.4279,
31.0615

■ 72.8960, 76.7561,
41.5457

■ 6.7013, 4.0701,
31.0047

■ 77.0078, 83.4631,
42.6235

Harmonies

Analogous

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



22.4902, 24.6085, 33.5250



23.6902, 24.6085, 34.0732



24.8486, 24.6085, 32.5395

Triad

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



23.6902, 24.6085, 34.0732



25.3179, 24.6085, 22.9052



21.2796, 24.6085, 24.2685

Complementary

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



23.6902, 24.6085, 34.0732



27.7230, 29.3227, 24.9683

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.



21.9890, 24.6085, 21.7688



23.6902, 24.6085, 34.0732



24.3128, 24.6085, 21.0311

Square

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



23.6902, 24.6085, 34.0732



25.8095, 24.6085, 25.9465



23.0916, 24.6085, 20.6340



21.1260, 24.6085, 27.6608

Rectangle

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



23.6902, 24.6085, 34.0732



25.4319, 24.6085, 30.6157



23.0916, 24.6085, 20.6340



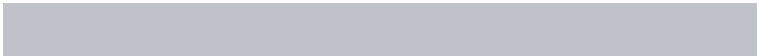
21.4597, 24.6085, 23.3052

Sweetspot

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



23.6909, 24.6095, 34.0738



51.5125, 54.0355, 63.2512



25.8694, 29.8828, 31.9745



11.5393, 12.0992, 14.2976



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.6909, 24.6095, 34.0738



40.8511, 42.2741, 61.5429



23.5817, 23.1370, 33.7953



6.0183, 6.2940, 7.8266



5.4867, 3.3700, 25.2690



0.1098, 0.1059, 0.3870

Inverse Universe

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



25.6213, 24.3488, 26.6430



44.9663, 41.7882, 45.6858



27.8371, 31.0471, 25.2951



6.2764, 6.2497, 6.8355



11.2282, 5.7455, 2.4607



0.1819, 0.0915, 0.1106

Previews

White Background



This preview shows how the XYZ color 23.6902, 24.6085, 34.0732 looks on a white background.

Color Contrast Check

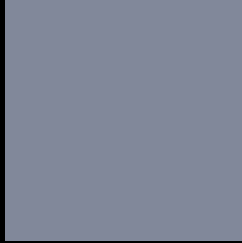
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6902, 24.6085, 34.0732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

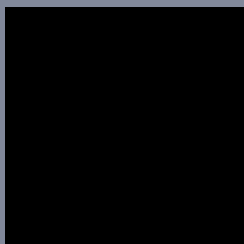
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

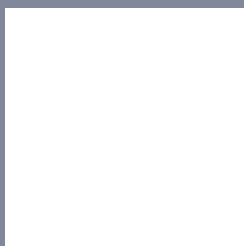
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6902, 24.6085, 34.0732

Background



This preview shows how black text looks on a background with the XYZ color 23.6902, 24.6085, 34.0732.



This preview shows how white text looks on a background with the XYZ color 23.6902, 24.6085,

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

23.6902, 24.6085, 34.0732

Protanopia

24.0866, 24.6144, 33.6185

Deuteranopia

24.9829, 24.4445, 34.4119



Tritanopia

23.1930, 24.6186, 31.5464

Trichromacy



Original Color

23.6902, 24.6085, 34.0732

Protanomaly

23.9295, 24.5334, 33.6112

Deuteranomaly

24.4573, 24.3759, 34.4263

Tritanomaly

23.3528, 24.6825, 32.3875

Monochromacy



Original Color

23.6902, 24.6085, 34.0732

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.4350, 24.5780, 29.4955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6902, 24.6085, 34.0732 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(129, 136, 154)` looks like.

```
.text, #text, p{  
    color:rgb(129, 136, 154)  
}
```

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(129, 136, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 136, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.6902, 24.6085, 34.0732 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(129, 136, 154) }
```


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

```
.border{ border-color:rgb(129, 136, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 136, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 136, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 136, 154);  
box-shadow:4px 4px 4px 4px rgb(129, 136,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6902, 24.6085, 34.0732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 136, 154) }
```

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

```
.background{ background-color: rgb(129,  
136, 154) }
```

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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