

Converting Colors

XYZ(21.1619, 23.4423, 34.6625)

Have a look what the booklet for
XYZ(21.1619, 23.4423, 34.6625)
contains.

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Color

**XYZ(21.2531, 23.5428,
34.8766)**

Conversions

Conversions Part 1

Format	Color
Hex	6D899C
RGB	109, 137, 156
RGB Percent	43%, 54%, 61%
CMY	0.5725, 0.4627, 0.3882
CMYK	0.30, 0.12, 0.00, 0.39
HSL	204°, 19%, 52%
HSV	204°, 30%, 61%
XYZ	21.2531, 23.5428, 34.8766
YIQ	130.7940, -22.7870, -0.0270

Conversions

Conversions Part 2

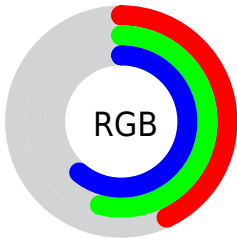
Format	Color
R_{YB}	109, 127, 156
Decimal	7178652
CIE _{Lab}	55.63, -5.26, -13.35
CIE _{LCh}	56, 14.345, 248.504
Yxy	23.5428, 0.2668, 0.2955
Android (android.graphics.Color)	4285368732 (0xFF6D899C)
YUV	130.7940, 12.4266, -19.1133
Hunter-Lab	48.5209, -6.7252, -8.6527

Details

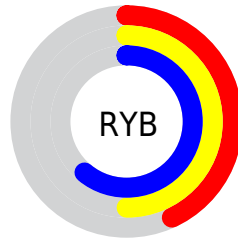
The XYZ color **21.2531, 23.5428, 34.8766** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.1902, 23.6108, 17.7510**, and the grayscale version is **21.4634, 22.5812, 24.5909**.

A 20% lighter version of the original color is **45.0716, 49.2114, 68.7512**, and **7.7616, 8.7661, 14.6475** is the 20% darker color. If you saturate the color by 10%, you get **18.6315, 20.8997, 34.5050**, and if you desaturate by 10%, it is **24.2692, 26.4682, 35.2827**.

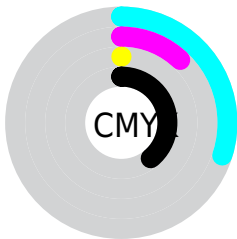
Distribution



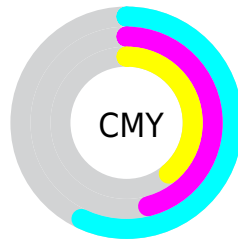
- Red (43%)
- Green (54%)
- Blue (61%)



- Red (43%)
- Yellow (50%)
- Blue (61%)



- Cyan (30%)
- Magenta (12%)
- Yellow (0%)
- Black (39%)



- Cyan (57%)
- Magenta (46%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2531, 23.5428, 34.8766 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 21.2531, 23.5428, 34.8766 by changing the saturation by 10% instead.

■ 21.2531, 23.5428,
34.8766

■ 21.2531, 23.5428,
34.8766

251.3269,
270.5008, 338.9110

■ 13.4227, 14.9948,
23.2850

■ 44.9965, 49.2831,
68.4440

■ 7.7992, 8.8157,
14.5968

■ 61.6401, 67.2442,
91.2568

■ 4.0175, 4.6212,
8.3935

■ 81.9522, 89.1117,
118.6472

■ 1.7120, 2.0268,
4.2564

■ 106.2981,
115.2702, 151.0337

■ 0.4638, 0.6230,
1.7670

135.0432,
146.1040, 188.8348

■ 0.0000, 0.0000,
0.4061

168.5528,

■ 0.0000, 0.0000,

181.9974, 232.4690

0.0000

207.1922,
223.3349, 282.3549

■ 21.2531, 23.5428,
34.8766

■ 21.2531, 23.5428,
34.8766

■ 18.6315, 20.8997,
34.5050

■ 24.2692, 26.4682,
35.2827

■ 16.3832, 18.5250,
34.1651

■ 27.6952, 29.6833,
35.7227

■ 14.4885, 16.4077,
33.8563

■ 31.5482, 33.1990,
36.1982

■ 12.9246, 14.5347,
33.5772

■ 35.8437, 37.0243,
36.7102

■ 11.6658, 12.8912,
33.3263

■ 40.5963, 41.1680,
37.2595

■ 10.6820, 11.4604,
33.1020

■ 45.8201, 45.6386,
37.8471

■ 9.9099, 10.2185,
32.9030

■ 51.5285, 50.4440,
38.4738

■ 57.7342, 55.5920,
39.1403

■ 64.4495, 61.0900,
39.8476

Harmonies

Analogous

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



20.0234, 23.5428, 31.6075



21.2531, 23.5428, 34.8766



22.8412, 23.5428, 35.5229

Triad

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



21.2531, 23.5428, 34.8766



25.6056, 23.5428, 24.3356



20.4904, 23.5428, 19.2596

Complementary

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



21.2531, 23.5428, 34.8766



24.1902, 23.6108, 17.7510

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.



21.9186, 23.5428, 17.7753



21.2531, 23.5428, 34.8766



24.9075, 23.5428, 20.4651

Square

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



21.2531, 23.5428, 34.8766



25.4062, 23.5428, 29.0488



23.5393, 23.5428, 18.1883



19.5982, 23.5428, 22.4981

Rectangle

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



21.2531, 23.5428, 34.8766



23.8985, 23.5428, 34.3130



23.5393, 23.5428, 18.1883



20.9209, 23.5428, 18.5579

Sweetspot

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



21.2538, 23.5437, 34.8771



50.9320, 54.4949, 64.9609



22.0789, 28.5819, 24.7069



11.0087, 11.8078, 14.2693



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.



21.2538, 23.5437, 34.8771



35.3877, 39.5430, 62.8942



18.2916, 17.6193, 33.8897



6.5967, 7.0592, 8.4216



8.1972, 8.4860, 27.1132



0.1873, 0.2332, 0.4984

Inverse Universe

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



23.6949, 19.8120, 26.2431



40.6297, 32.0202, 44.2437



27.5861, 30.4025, 18.8830



6.7905, 6.7091, 7.7481



12.9358, 6.4789, 9.1788



0.2519, 0.1241, 0.2724

Previews

White Background



This preview shows how the XYZ color 21.2531, 23.5428, 34.8766 looks on a white background.

Color Contrast Check

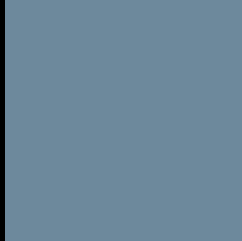
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2531, 23.5428, 34.8766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

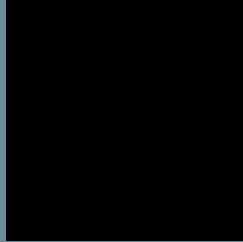
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

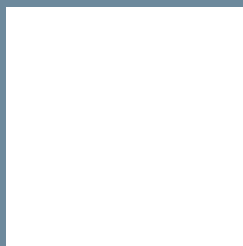
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2531, 23.5428, 34.8766

Background



This preview shows how black text looks on a background with the XYZ color 21.2531, 23.5428, 34.8766.



This preview shows how white text looks on a background with the XYZ color 21.2531, 23.5428,

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

21.2531, 23.5428, 34.8766

Protanopia

23.0543, 23.4696, 33.4520

Deuteranopia

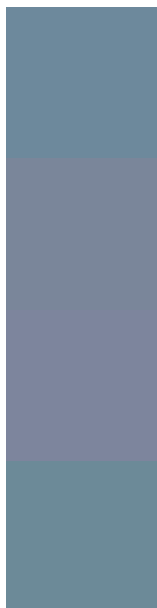
23.9000, 23.4679, 35.1684



Tritanopia

20.5767, 23.4727, 31.8799

Trichromacy



Original Color

21.2531, 23.5428, 34.8766

Protanomaly

22.3839, 23.5209, 33.9321

Deuteranomaly

22.9308, 23.5694, 35.2390

Tritanomaly

20.9403, 23.6321, 33.1635

Monochromacy



Original Color

21.2531, 23.5428, 34.8766

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2895, 22.8795, 28.1050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2531, 23.5428, 34.8766 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(109, 137, 156)` looks like.

```
.text, #text, p{  
    color:rgb(109, 137, 156)  
}
```

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(109, 137, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 137, 156) }
```

Border

The CSS property to change the border of an element to XYZ 21.2531, 23.5428, 34.8766 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(109, 137, 156) }
```


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

```
.border{ border-color:rgb(109, 137, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 137, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 137, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 137, 156);  
box-shadow:4px 4px 4px 4px rgb(109, 137,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2531, 23.5428, 34.8766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 137, 156) }
```

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

```
.background{ background-color: rgb(109,  
137, 156) }
```

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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