

Converting Colors

XYZ(21.2047, 23.1510, 30.2820)

Have a look what the booklet for
XYZ(21.2047, 23.1510, 30.2820)
contains.

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Color

**XYZ(21.2460, 23.2238,
30.1509)**

Conversions

Conversions Part 1

Format	Color
Hex	768791
RGB	118, 135, 145
RGB Percent	46%, 53%, 57%
CMY	0.5372, 0.4706, 0.4314
CMYK	0.19, 0.07, 0.00, 0.43
HSL	202°, 11%, 52%
HSV	202°, 19%, 57%
XYZ	21.2460, 23.2238, 30.1509
YIQ	131.0570, -13.3420, -0.4940

Conversions

Conversions Part 2

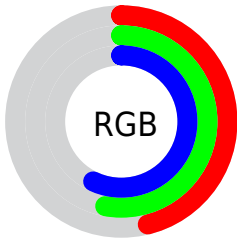
Format	Color
R_{YB}	118, 128, 145
Decimal	7767953
CIE _{Lab}	55.30, -3.89, -7.43
CIE _{LCh}	55, 8.382, 242.352
Yxy	23.2238, 0.2847, 0.3112
Android (android.graphics.Color)	4285958033 (0xFF768791)
YUV	131.0570, 6.8739, -11.4510
Hunter-Lab	48.1911, -5.6391, -3.3612

Details

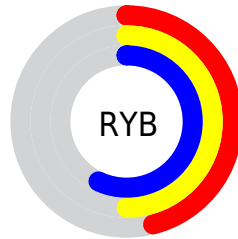
The XYZ color **21.2460, 23.2238, 30.1509** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.6664, 22.7661, 20.3397**, and the grayscale version is **21.5739, 22.6974, 24.7175**.

A 20% lighter version of the original color is **44.8696, 48.6360, 61.0556**, and **7.7683, 8.5884, 12.0748** is the 20% darker color. If you saturate the color by 10%, you get **18.6961, 20.8256, 29.8228**, and if you desaturate by 10%, it is **24.1378, 25.8556, 30.5068**.

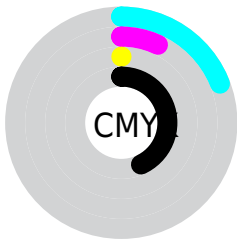
Distribution



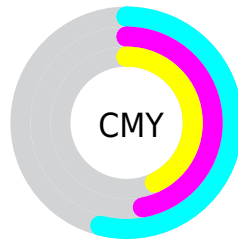
- Red (46%)
- Green (53%)
- Blue (57%)



- Red (46%)
- Yellow (50%)
- Blue (57%)



- Cyan (19%)
- Magenta (7%)
- Yellow (0%)
- Black (43%)



- Cyan (54%)
- Magenta (47%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2460, 23.2238, 30.1509 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 21.2460, 23.2238, 30.1509 by changing the saturation by 10% instead.

■ 21.2460, 23.2238,
30.1509

■ 21.2460, 23.2238,
30.1509

251.2900,
268.8724, 316.8364

■ 13.4174, 14.7588,
19.7001

■ 44.9848, 48.7605,
60.9646

■ 7.7956, 8.6503,
11.9953

■ 61.6257, 66.6011,
82.1645

■ 4.0151, 4.5138,
6.6180

■ 81.9348, 88.3357,
107.7847

■ 1.7107, 1.9649,
3.1496

106.2774,
114.3487, 138.2435

■ 0.4630, 0.5870,
1.1715

135.0188,
145.0244, 173.9595

■ 0.0000, 0.0000,
0.0000

168.5245,

180.7474, 215.3513

207.1598,
221.9019, 262.8374

■ 21.2460, 23.2238,
30.1509

■ 21.2460, 23.2238,
30.1509

■ 18.6961, 20.8256,
29.8228

■ 24.1378, 25.8556,
30.5068

■ 16.4716, 18.6498,
29.5200

■ 27.3830, 28.7258,
30.8898

■ 14.5580, 16.6887,
29.2424

■ 30.9947, 31.8427,
31.3011

■ 12.9383, 14.9328,
28.9888

■ 34.9851, 35.2133,
31.7413

■ 11.5942, 13.3716,
28.7583

■ 39.3657, 38.8442,
32.2113

■ 10.5050, 11.9936,
28.5498

■ 44.1473, 42.7418,
32.7116

■ 9.6465, 10.7855,
28.3618

■ 49.3405, 46.9123,
33.2429

■ 8.9672, 9.7197,
28.1919

■ 54.9555, 51.3615,
33.8057

■ 8.8782, 9.5790,
28.1694

■ 61.0019, 56.0953,
34.4007

Harmonies

Analogous

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



20.5827, 23.2238, 28.1569



21.2460, 23.2238, 30.1509



22.1477, 23.2238, 30.8149

Triad

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



21.2460, 23.2238, 30.1509



23.9277, 23.2238, 25.0751



21.1211, 23.2238, 21.1641

Complementary

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



21.2460, 23.2238, 30.1509



22.6664, 22.7661, 20.3397

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.



21.9995, 23.2238, 20.4628



21.2460, 23.2238, 30.1509



23.6347, 23.2238, 22.6187

Square

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



21.2460, 23.2238, 30.1509



23.7123, 23.2238, 27.7637



22.9223, 23.2238, 20.9761



20.5120, 23.2238, 22.9617

Rectangle

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



21.2460, 23.2238, 30.1509



22.7675, 23.2238, 30.3786



22.9223, 23.2238, 20.9761



21.3938, 23.2238, 20.7983

Sweetspot

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



21.2467, 23.2248, 30.1514



44.6165, 47.5448, 54.7991



21.4867, 25.6586, 24.2082



9.8554, 10.5145, 12.1823



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.



21.2467, 23.2248, 30.1514



36.2251, 39.8941, 53.7646



19.4930, 19.7174, 29.5669



5.3947, 5.7851, 6.8611



7.6404, 8.2667, 24.1700



0.0942, 0.1213, 0.2381

Inverse Universe

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



22.5292, 20.7264, 25.7359



38.9491, 34.7356, 44.3531



24.5314, 26.4961, 20.9613



5.5427, 5.4776, 6.3557



11.6596, 5.8209, 9.1248



0.1222, 0.0599, 0.1435

Previews

White Background



This preview shows how the XYZ color 21.2460, 23.2238, 30.1509 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 21.2460, 23.2238, 30.1509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

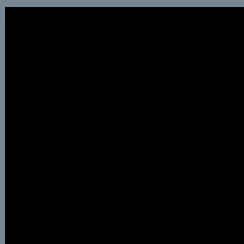
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

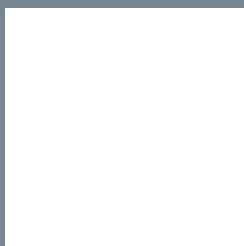
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2460, 23.2238, 30.1509

Background



This preview shows how black text looks on a background with the XYZ color 21.2460, 23.2238, 30.1509.

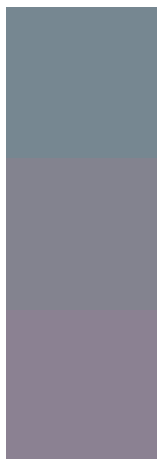


This preview shows how white text looks on a background with the XYZ color 21.2460, 23.2238,

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

21.2460, 23.2238, 30.1509

Protanopia

22.4343, 23.0411, 29.2516

Deuteranopia

23.6860, 23.2648, 30.4363



Tritanopia

21.3235, 23.2548, 30.5589

Trichromacy



Original Color

21.2460, 23.2238, 30.1509

Protanomaly

21.8895, 22.9518, 29.6620

Deuteranomaly

22.6647, 23.1332, 30.4647

Tritanomaly

21.3235, 23.2548, 30.5589

Monochromacy



Original Color

21.2460, 23.2238, 30.1509

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2994, 22.7157, 26.5545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2460, 23.2238, 30.1509 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(118, 135, 145)` looks like.

```
.text, #text, p{  
    color:rgb(118, 135, 145)  
}
```

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(118, 135, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 135, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.2460, 23.2238, 30.1509 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(118, 135, 145) }
```


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

```
.border{ border-color:rgb(118, 135, 145) }
```

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

Here you see how a box with a 4 pixel rgb(118, 135, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 135, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 135, 145);  
box-shadow:4px 4px 4px 4px rgb(118, 135,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2460, 23.2238, 30.1509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 135, 145) }
```

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

```
.background{ background-color: rgb(118,  
135, 145) }
```

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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