

Converting Colors

XYZ(19.8875, 20.9685, 24.7704)

Have a look what the booklet for
XYZ(19.8875, 20.9685, 24.7704)
contains.

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Color

**XYZ(19.9226, 21.0556,
24.8439)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7F84
RGB	123, 127, 132
RGB Percent	48%, 50%, 52%
CMY	0.5176, 0.5019, 0.4823
CMYK	0.07, 0.04, 0.00, 0.48
HSL	213°, 4%, 50%
HSV	213°, 7%, 52%
XYZ	19.9226, 21.0556, 24.8439
YIQ	126.3740, -3.9890, 0.7070

Conversions

Conversions Part 2

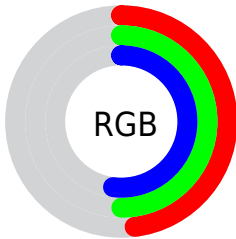
Format	Color
R_{YB}	123, 126, 132
Decimal	8093572
CIE Lab	53.01, -0.45, -3.23
CIE LCh	53, 3.260, 262.117
Yxy	21.0556, 0.3027, 0.3199
Android (android.graphics.Color)	4286283652 (0xFF7B7F84)
YUV	126.3740, 2.7736, -2.9590
Hunter-Lab	45.8864, -2.8014, 0.0196

Details

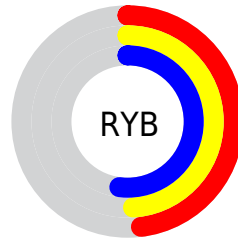
The XYZ color **19.9226, 21.0556, 24.8439** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.8102, 21.7738, 21.8452**, and the grayscale version is **19.9508, 20.9898, 22.8579**.

A 20% lighter version of the original color is **42.7574, 45.2593, 52.3813**, and **7.1098, 7.5292, 9.2622** is the 20% darker color. If you saturate the color by 10%, you get **17.2477, 18.3224, 24.4577**, and if you desaturate by 10%, it is **22.9223, 24.0596, 25.2660**.

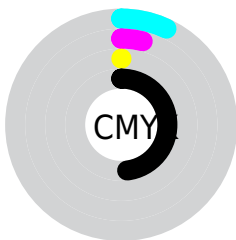
Distribution



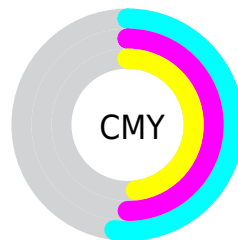
- Red (48%)
- Green (50%)
- Blue (52%)



- Red (48%)
- Yellow (49%)
- Blue (52%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (48%)



- Cyan (52%)
- Magenta (50%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9226, 21.0556, 24.8439 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 19.9226, 21.0556, 24.8439 by changing the saturation by 10% instead.

■ 19.9226, 21.0556,
24.8439

■ 19.9226, 21.0556,
24.8439

244.3374,
257.5738, 290.4824

■ 12.4467, 13.1646,
15.7428

■ 42.7923, 45.1800,
52.3648

■ 7.1230, 7.5420,
9.1900

■ 58.9169, 62.1823,
71.6218

■ 3.5862, 3.8033,
4.7668

■ 78.6550, 82.9905,
95.1011

■ 1.4708, 1.5642,
2.0548

102.3721,
107.9890, 123.2214

■ 0.3058, 0.3333,
0.5886

130.4336,
137.5622, 156.4011

■ 0.0000, 0.0000,
0.0000

163.2047,

172.0945, 195.0588

201.0508,
211.9702, 239.6131

■ 19.9226, 21.0556,
24.8439

■ 19.9226, 21.0556,
24.8439

■ 17.2477, 18.3224,
24.4577

■ 22.9223, 24.0596,
25.2660

■ 14.8842, 15.8493,
24.1049

■ 26.2558, 27.3396,
25.7234

■ 12.8203, 13.6286,
23.7850

■ 29.9344, 30.9038,
26.2174

■ 11.0430, 11.6511,
23.4970

■ 33.9678, 34.7594,
26.7491

■ 9.5380, 9.9072,
23.2397

■ 38.3657, 38.9131,
27.3190

■ 8.2897, 8.3864,
23.0119

■ 43.1372, 43.3717,
27.9281

■ 7.2810, 7.0771,
22.8124

■ 48.2911, 48.1414,
28.5771

■ 6.4921, 5.9664,
22.6396

■ 53.8361, 53.2286,
29.2668

■ 5.8876, 5.0334,
22.4913

■ 59.7804, 58.6391,
29.9978

Harmonies

Analogous

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



19.6114, 21.0556, 24.4458



19.9226, 21.0556, 24.8439



20.2615, 21.0556, 24.7166

Triad

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



19.9226, 21.0556, 24.8439



20.6286, 21.0556, 22.2237



19.4978, 21.0556, 21.7881

Complementary

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



19.9226, 21.0556, 24.8439



20.8102, 21.7738, 21.8452

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.



19.7660, 21.0556, 21.2240



19.9226, 21.0556, 24.8439



20.4195, 21.0556, 21.4704

Square

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



19.9226, 21.0556, 24.8439



20.6717, 21.0556, 23.1854



20.1031, 21.0556, 21.1094



19.3679, 21.0556, 22.6685

Rectangle

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



19.9226, 21.0556, 24.8439



20.4573, 21.0556, 24.3525



20.1031, 21.0556, 21.1094



19.5746, 21.0556, 21.5562

Sweetspot

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



19.9232, 21.0565, 24.8444



37.5435, 39.5555, 44.1094



20.3130, 22.2710, 23.6333



8.7581, 9.2266, 10.2720



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



19.9232, 21.0565, 24.8444



34.4199, 36.4076, 43.6664



19.4811, 20.0765, 24.6785



4.5923, 4.8602, 5.8968



5.5369, 4.6217, 21.7369



0.0263, 0.0302, 0.0777

Inverse Universe

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



20.4299, 20.6042, 22.9799



35.4838, 35.4703, 39.7486



21.2722, 22.8023, 22.0194



4.7522, 4.7206, 5.3075



9.9729, 5.0535, 4.4296



0.0381, 0.0189, 0.0342

Previews

White Background



This preview shows how the XYZ color 19.9226, 21.0556, 24.8439 looks on a white background.

Color Contrast Check

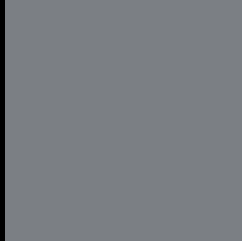
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9226, 21.0556, 24.8439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

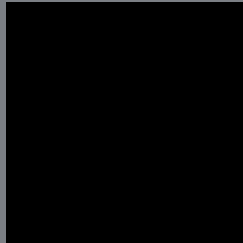
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

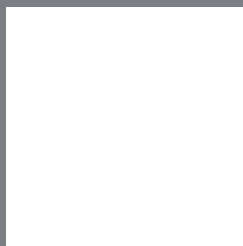
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9226, 21.0556, 24.8439

Background



This preview shows how black text looks on a background with the XYZ color 19.9226, 21.0556, 24.8439.



This preview shows how white text looks on a background with the XYZ color 19.9226, 21.0556,

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

19.9226, 21.0556, 24.8439

Protanopia

20.3100, 21.0724, 24.4697

Deuteranopia

21.4699, 21.0936, 25.1302



Tritanopia

20.2170, 20.9844, 26.2774

Trichromacy

**Original Color**

19.9226, 21.0556, 24.8439

Protanomaly

20.1618, 20.9960, 24.4627

Deuteranomaly

20.8014, 20.9341, 25.1346

Tritanomaly

20.1462, 20.9561, 25.9048

Monochromacy

**Original Color**

19.9226, 21.0556, 24.8439

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8146, 20.8402, 23.4003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9226, 21.0556, 24.8439 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(123, 127, 132)` looks like.

```
.text, #text, p{  
    color:rgb(123, 127, 132)  
}
```

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(123, 127, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 127, 132) }
```

Border

The CSS property to change the border of an element to XYZ 19.9226, 21.0556, 24.8439 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(123, 127, 132) }
```


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

```
.border{ border-color:rgb(123, 127, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 127, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 127, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 127, 132); box-shadow:4px 4px 4px 4px rgb(123, 127, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9226, 21.0556, 24.8439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 127, 132) }
```

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

```
.background{ background-color: rgb(123,  
127, 132) }
```

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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