

Converting Colors

XYZ(19.8689, 20.5041, 31.9550)

Have a look what the booklet for
XYZ(19.8689, 20.5041, 31.9550)
contains.

XYZ(19.7781, 20.4466, 31.7583)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.7781, 20.4466,
31.7583)**

Conversions

Conversions Part 1

Format	Color
Hex	727D96
RGB	114, 125, 150
RGB Percent	45%, 49%, 59%
CMY	0.5529, 0.5098, 0.4118
CMYK	0.24, 0.17, 0.00, 0.41
HSL	222°, 15%, 52%
HSV	222°, 24%, 59%
XYZ	19.7781, 20.4466, 31.7583
YIQ	124.5610, -14.5810, 5.4430

Conversions

Conversions Part 2

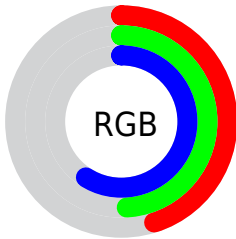
Format	Color
R_{YB}	114, 122, 150
Decimal	7503254
CIE Lab	52.34, 1.73, -14.81
CIE LCh	52, 14.912, 276.658
Yxy	20.4466, 0.2748, 0.2840
Android (android.graphics.Color)	4285693334 (0xFF727D96)
YUV	124.5610, 12.5414, -9.2620
Hunter-Lab	45.2179, -1.0563, -9.9891

Details

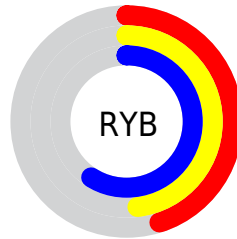
The XYZ color **19.7781, 20.4466, 31.7583** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **24.8480, 26.1645, 19.6609**, and the grayscale version is **19.3089, 20.3145, 22.1225**.

A 20% lighter version of the original color is **42.5454, 44.3074, 63.4365**, and **7.0165, 7.1936, 12.8231** is the 20% darker color. If you saturate the color by 10%, you get **16.7345, 17.0220, 31.2580**, and if you desaturate by 10%, it is **23.2813, 24.3144, 32.3206**.

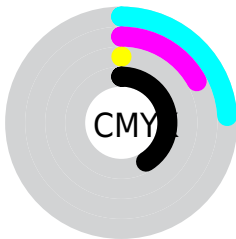
Distribution



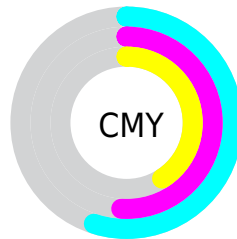
- Red (45%)
- Green (49%)
- Blue (59%)



- Red (45%)
- Yellow (48%)
- Blue (59%)



- Cyan (24%)
- Magenta (17%)
- Yellow (0%)
- Black (41%)



- Cyan (55%)
- Magenta (51%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7781, 20.4466, 31.7583 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 19.7781, 20.4466, 31.7583 by changing the saturation by 10% instead.

■ 19.7781, 20.4466,
31.7583

■ 19.7781, 20.4466,
31.7583

243.5678,
254.3227, 324.4755

■ 12.3412, 12.7201,
20.9137

■ 42.5516, 44.1647,
63.5255

■ 7.0503, 7.2361,
12.8703

■ 58.6189, 60.9251,
85.2851

■ 3.5402, 3.6102,
7.2096

■ 78.2937, 81.4655,
111.5202

■ 1.4455, 1.4580,
3.5131

■ 101.9414,
106.1704, 142.6492

■ 0.2883, 0.2589,
1.3622

129.9273,
135.4242, 179.0906

■ 0.0000, 0.0000,
0.1120

162.6168,

■ 0.0000, 0.0000,

169.6112, 221.2632

0.0000

200.3752,
209.1159, 269.5853

■ 19.7781, 20.4466,
31.7583

■ 19.7781, 20.4466,
31.7583

■ 16.7345, 17.0220,
31.2580

■ 23.2813, 24.3144,
32.3206

■ 14.1288, 14.0217,
30.8163

■ 27.2607, 28.6386,
32.9455

■ 11.9402, 11.4288,
30.4311

■ 31.7345, 33.4348,
33.6354

■ 10.1456, 9.2244,
30.1002

■ 36.7193, 38.7171,
34.3923

■ 8.7191, 7.3879,
29.8209

■ 42.2310, 44.4991,
35.2178

■ 7.6319, 5.8965,
29.5904

■ 48.2846, 50.7937,
36.1138

■ 6.8496, 4.7238,
29.4052

■ 54.8948, 57.6133,
37.0817

■ 6.4757, 4.1432,
29.3129

■ 62.0753, 64.9701,
38.1232

■ 69.8398, 72.8757,
39.2399

Harmonies

Analogous

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



18.2878, 20.4466, 30.9607



19.7781, 20.4466, 31.7583



21.2498, 20.4466, 29.7556

Triad

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



19.7781, 20.4466, 31.7583



21.8990, 20.4466, 17.5879



16.8480, 20.4466, 19.0789

Complementary

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



19.7781, 20.4466, 31.7583



24.8480, 26.1645, 19.6609

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.



17.7245, 20.4466, 16.1471



19.7781, 20.4466, 31.7583



20.6269, 20.4466, 15.3688

Square

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



19.7781, 20.4466, 31.7583



22.5153, 20.4466, 21.2971



19.0937, 20.4466, 14.8783



16.6472, 20.4466, 23.2574

Rectangle

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



19.7781, 20.4466, 31.7583



22.0053, 20.4466, 27.2395



19.0937, 20.4466, 14.8783



17.0710, 20.4466, 17.9326

Sweetspot

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



19.7787, 20.4474, 31.7588



45.8115, 48.0563, 57.7825



22.4773, 27.2429, 28.3474



10.0725, 10.5632, 12.7929



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.7787, 20.4474, 31.7588



31.8133, 32.6218, 55.5411



19.3522, 18.2735, 31.3616



5.6354, 5.9048, 7.3125



5.3964, 3.4877, 24.3198



0.0897, 0.0900, 0.3055

Inverse Universe

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



22.2972, 20.0000, 22.0880



37.1250, 31.8636, 35.1034



25.3411, 28.9034, 20.1636



5.8694, 5.8428, 6.4185



10.8510, 5.5454, 2.6962



0.1448, 0.0727, 0.0959

Previews

White Background



This preview shows how the XYZ color 19.7781, 20.4466, 31.7583 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 19.7781, 20.4466, 31.7583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

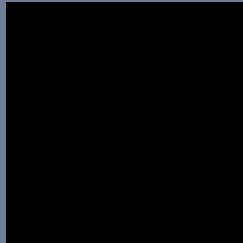
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

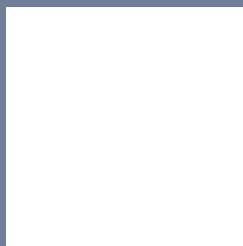
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7781, 20.4466, 31.7583

Background



This preview shows how black text looks on a background with the XYZ color 19.7781, 20.4466, 31.7583.



This preview shows how white text looks on a background with the XYZ color 19.7781, 20.4466,

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

19.7781, 20.4466, 31.7583

Protanopia

20.2402, 20.5072, 31.3253

Deuteranopia

20.8576, 20.4385, 32.1239



Tritanopia

18.6603, 20.3644, 26.6141

Trichromacy



Original Color

19.7781, 20.4466, 31.7583

Protanomaly

19.9686, 20.3671, 31.3126

Deuteranomaly

20.4146, 20.3934, 32.1385

Tritanomaly

19.0254, 20.3194, 28.5105

Monochromacy



Original Color

19.7781, 20.4466, 31.7583

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.5218, 20.4534, 25.4732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7781, 20.4466, 31.7583 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(114, 125, 150)` looks like.

```
.text, #text, p{  
    color:rgb(114, 125, 150)  
}
```

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(114, 125, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 125, 150) }
```

Border

The CSS property to change the border of an element to XYZ 19.7781, 20.4466, 31.7583 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(114, 125, 150) }
```


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

```
.border{ border-color:rgb(114, 125, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 125, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 125, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 125, 150);  
box-shadow:4px 4px 4px 4px rgb(114, 125,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7781, 20.4466, 31.7583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 125, 150) }
```

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

```
.background{ background-color: rgb(114,  
125, 150) }
```

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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