

Converting Colors

XYZ(20.0473, 20.2724, 24.8660)

Have a look what the booklet for
XYZ(20.0473, 20.2724, 24.8660)
contains.

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Color

**XYZ(20.2187, 20.4486,
25.0716)**

Conversions

Conversions Part 1

Format	Color
Hex	807B85
RGB	128, 123, 133
RGB Percent	50%, 48%, 52%
CMY	0.4980, 0.5176, 0.4784
CMYK	0.04, 0.08, 0.00, 0.48
HSL	270°, 4%, 50%
HSV	270°, 8%, 52%
XYZ	20.2187, 20.4486, 25.0716
YIQ	125.6350, -0.2300, 4.1700

Conversions

Conversions Part 2

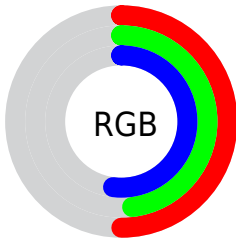
Format	Color
R_{YB}	128, 123, 133
Decimal	8420229
CIE Lab	52.34, 3.90, -4.76
CIE LCh	52, 6.153, 309.375
Yxy	20.4486, 0.3076, 0.3111
Android (android.graphics.Color)	4286610309 (0xFF807B85)
YUV	125.6350, 3.6309, 2.0741
Hunter-Lab	45.2201, 0.6752, -1.2183

Details

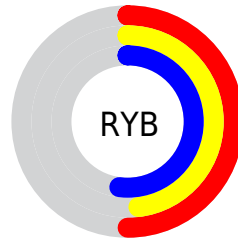
The XYZ color **20.2187, 20.4486, 25.0716** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.8655, 22.7948, 22.0401**, and the grayscale version is **19.6960, 20.7218, 22.5660**.

A 20% lighter version of the original color is **43.2490, 44.0289, 52.6733**, and **7.2735, 7.1999, 9.3939** is the 20% darker color. If you saturate the color by 10%, you get **17.7119, 16.8717, 24.5136**, and if you desaturate by 10%, it is **23.0165, 24.5095, 25.7083**.

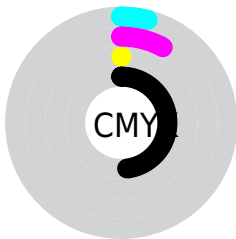
Distribution



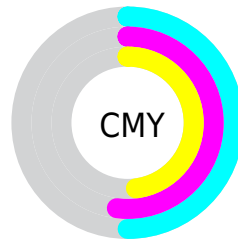
- Red (50%)
- Green (48%)
- Blue (52%)



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



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (48%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2187, 20.4486, 25.0716 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 20.2187, 20.4486, 25.0716 by changing the saturation by 10% instead.

■ 20.2187, 20.4486,
25.0716

■ 20.2187, 20.4486,
25.0716

245.9077,
254.3334, 291.6534

■ 12.6633, 12.7216,
15.9109

■ 43.2847, 44.1680,
52.7389

■ 7.2725, 7.2371,
9.3075

■ 59.5260, 60.9292,
72.0826

■ 3.6809, 3.6108,
4.8427

■ 79.3933, 81.4705,
95.6577

■ 1.5233, 1.4583,
2.0982

103.2520,
106.1764, 123.8828

■ 0.3416, 0.2591,
0.6147

131.4675,
135.4312, 157.1764

■ 0.0000, 0.0000,
0.0000

164.4050,

169.6194, 195.9569

202.4299,
209.1253, 240.6431

■ 20.2187, 20.4486,
25.0716

■ 20.2187, 20.4486,
25.0716

■ 17.7119, 16.8717,
24.5136

■ 23.0165, 24.5095,
25.7083

■ 15.4841, 13.7574,
24.0299

■ 26.1131, 29.0692,
26.4252

■ 13.5249, 11.0869,
23.6177

■ 29.5183, 34.1453,
27.2255

■ 11.8228, 8.8388,
23.2735

■ 33.2411, 39.7537,
28.1118

■ 10.3652, 6.9900,
22.9935

■ 37.2897, 45.9096,
29.0866

■ 9.1383, 5.5153,
22.7735

■ 41.6724, 52.6275,
30.1523

■ 8.1268, 4.3860,
22.6088

■ 46.3968, 59.9216,
31.3112

■ 7.3133, 3.5696,
22.4941

■ 51.4706, 67.8052,
32.5655

■ 6.6632, 2.9991,
22.4183

■ 56.9010, 76.2915,
33.9173

Harmonies

Analogous

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



19.6349, 20.4486, 25.8868



20.2187, 20.4486, 25.0716



20.5981, 20.4486, 23.5164

Triad

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



20.2187, 20.4486, 25.0716



19.8679, 20.4486, 19.1576



18.2587, 20.4486, 22.8381

Complementary

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



20.2187, 20.4486, 25.0716



20.8655, 22.7948, 22.0401

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.



18.3181, 20.4486, 21.0589



20.2187, 20.4486, 25.0716



19.2381, 20.4486, 18.9979

Square

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



20.2187, 20.4486, 25.0716



20.3925, 20.4486, 20.1248



18.6733, 20.4486, 19.6762



18.5094, 20.4486, 24.5519

Rectangle

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



20.2187, 20.4486, 25.0716



20.6792, 20.4486, 22.3031



18.6733, 20.4486, 19.6762



18.2432, 20.4486, 22.2270

Sweetspot

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



20.2193, 20.4495, 25.0720



38.8835, 40.4895, 45.5043



20.1437, 21.3870, 25.2570



8.7763, 9.1454, 10.2554



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.



20.2193, 20.4495, 25.0720



35.4146, 35.4795, 44.7201



20.9637, 20.8333, 25.1069



4.6398, 4.6504, 5.8538



6.2134, 2.7373, 21.3376



0.0299, 0.0138, 0.0743

Inverse Universe

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



20.6528, 20.7119, 23.3324



36.3601, 36.0519, 40.9259



20.1557, 22.4289, 22.0068



4.7625, 4.7247, 5.3615



10.1688, 5.1319, 5.4613



0.0389, 0.0192, 0.0383

Previews

White Background



This preview shows how the XYZ color 20.2187, 20.4486, 25.0716 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 20.2187, 20.4486, 25.0716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

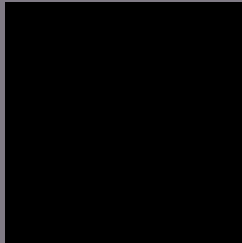
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2187, 20.4486, 25.0716

Background



This preview shows how black text looks on a background with the XYZ color 20.2187, 20.4486, 25.0716.

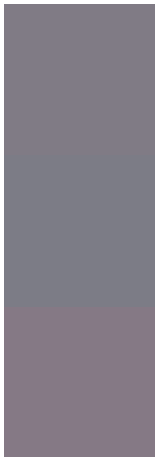


This preview shows how white text looks on a background with the XYZ color 20.2187, 20.4486,

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

20.2187, 20.4486, 25.0716

Protanopia

19.8229, 20.4216, 25.4512

Deuteranopia

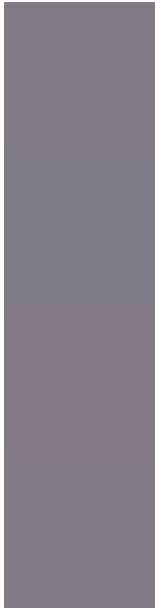
20.7439, 20.3547, 25.0258



Tritanopia

20.2187, 20.4486, 25.0716

Trichromacy



Original Color

20.2187, 20.4486, 25.0716

Protanomaly

19.9682, 20.4965, 25.4580

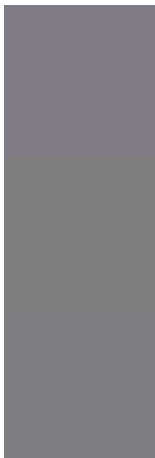
Deuteranomaly

20.5532, 20.4378, 25.0519

Tritanomaly

20.2187, 20.4486, 25.0716

Monochromacy



Original Color

20.2187, 20.4486, 25.0716

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0485, 20.7642, 23.7201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2187, 20.4486, 25.0716 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(128, 123, 133)` looks like.

```
.text, #text, p{  
    color:rgb(128, 123, 133)  
}
```

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(128, 123, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 123, 133) }
```

Border

The CSS property to change the border of an element to XYZ 20.2187, 20.4486, 25.0716 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(128, 123, 133) }
```


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

```
.border{ border-color:rgb(128, 123, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 123, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 123, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 123, 133);  
box-shadow:4px 4px 4px 4px rgb(128, 123,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2187, 20.4486, 25.0716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 123, 133) }
```

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

```
.background{ background-color: rgb(128,  
123, 133) }
```

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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