

Converting Colors

XYZ(47.5991, 50.1994, 55.1543)

Have a look what the booklet for
XYZ(47.5991, 50.1994, 55.1543)
contains.

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Color

**XYZ(47.6620, 50.2054,
55.3227)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBCBD
RGB	187, 188, 189
RGB Percent	73%, 74%, 74%
CMY	0.2667, 0.2627, 0.2588
CMYK	0.01, 0.01, 0.00, 0.26
HSL	210°, 1%, 74%
HSV	210°, 1%, 74%
XYZ	47.6620, 50.2054, 55.3227
YIQ	187.8150, -0.9170, 0.0990

Conversions

Conversions Part 2

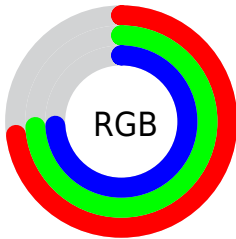
Format	Color
RYB	187, 188, 189
Decimal	12303549
CIELab	76.20, -0.16, -0.63
CIELCh	76, 0.654, 256.063
Yxy	50.2054, 0.3111, 0.3277
Android (android.graphics.Color)	4290493629 (0xFFBBBCBD)
YUV	187.8150, 0.5842, -0.7148
Hunter-Lab	70.8558, -3.9274, 3.3066

Details

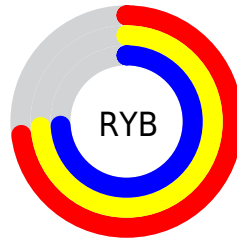
The XYZ color **47.6620, 50.2054, 55.3227** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.9390, 50.3723, 54.2104**, and the grayscale version is **47.6934, 50.1771, 54.6429**.

A 20% lighter version of the original color is **85.7943, 90.3486, 99.3034**, and **22.9394, 24.1739, 26.7495** is the 20% darker color. If you saturate the color by 10%, you get **41.3931, 44.0856, 54.4726**, and if you desaturate by 10%, it is **54.6736, 56.9058, 56.2472**.

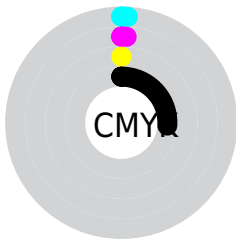
Distribution



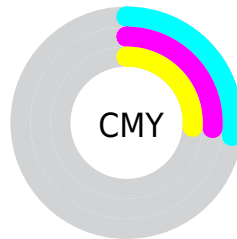
- Red (73%)
- Green (74%)
- Blue (74%)



- Red (73%)
- Yellow (74%)
- Blue (74%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)



- Cyan (27%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6620, 50.2054, 55.3227 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 47.6620, 50.2054, 55.3227 by changing the saturation by 10% instead.

■ 47.6620, 50.2054,
55.3227

■ 47.6620, 50.2054,
55.3227

368.0557,
387.4686, 424.4504

■ 33.7694, 35.5766,
39.2598

■ 85.9137, 90.4791,
99.4895

■ 22.8786, 24.1074,
26.6525

111.0035,
116.8929, 128.4305

■ 14.6241, 15.4133,
17.0823

140.5565,
148.0037, 162.5012

■ 8.6406, 9.1100,
10.1306

174.9379,
184.1961, 202.1203

■ 4.5627, 4.8130,
5.3789

214.5132,
225.8544, 247.7062

■ 2.0251, 2.1380,
2.4086

259.6477,

■ 0.6480, 0.6858,

273.3630, 299.6775

0.7911

310.7068,
327.1063, 358.4527

■ 0.0000, 0.0000,
0.0000

■ 47.6620, 50.2054,
55.3227

■ 47.6620, 50.2054,
55.3227

■ 41.3931, 44.0856,
54.4726

■ 54.6736, 56.9058,
56.2472

■ 35.8366, 38.5227,
53.6917

■ 62.4483, 64.1966,
57.2447

■ 30.9661, 33.5009,
52.9791

■ 71.0110, 72.0956,
58.3181

■ 26.7521, 29.0010,
52.3327

■ 77.5321, 79.1474,
59.3355

■ 23.1628, 25.0025,
51.7501

■ 80.1584, 84.4001,
60.2109

■ 20.1634, 21.4834,
51.2289

■ 82.9275, 89.9382,
61.1340

■ 17.7153, 18.4194,
50.7665

■ 85.8414, 95.7661,
62.1053

■ 15.7749, 15.7835,
50.3600

■ 86.1855, 96.4542,
62.2200

■ 14.2908, 13.5444,
50.0060

Harmonies

Analogous

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



47.5554, 50.2054, 55.1525



47.6620, 50.2054, 55.3227



47.7840, 50.2054, 55.3162

Triad

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



47.6620, 50.2054, 55.3227



47.9455, 50.2054, 54.4786



47.5493, 50.2054, 54.1983

Complementary

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



47.6620, 50.2054, 55.3227



47.9390, 50.3723, 54.2104

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.



47.6536, 50.2054, 54.0193



47.6620, 50.2054, 55.3227



47.8824, 50.2054, 54.1807

Square

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



47.6620, 50.2054, 55.3227



47.9478, 50.2054, 54.8278



47.7755, 50.2054, 54.0128



47.4904, 50.2054, 54.5028

Rectangle

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



47.6620, 50.2054, 55.3227



47.8576, 50.2054, 55.2124



47.7755, 50.2054, 54.0128



47.5802, 50.2054, 54.1215

Sweetspot

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



47.6634, 50.2076, 55.3238



86.6293, 91.1408, 99.2523



47.7653, 50.5901, 54.8061



18.6292, 19.5994, 21.3438



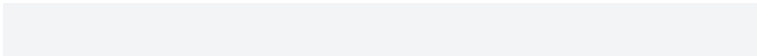
90.7827, 95.5105, 104.0109

Same Dimension

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



47.6634, 50.2076, 55.3238



85.4144, 89.9691, 99.0902



47.4568, 49.7943, 55.2549



10.5836, 11.1469, 12.2660



9.0002, 8.1122, 33.4843



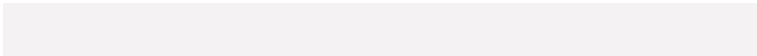
0.4180, 0.4486, 1.3334

Inverse Universe

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



47.8347, 49.9911, 54.7077



85.7089, 89.5967, 98.0308



48.1471, 50.7883, 54.2797



10.6172, 11.1045, 12.1452



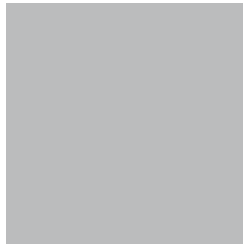
15.5437, 7.8486, 8.1565



0.6419, 0.3206, 0.4934

Previews

White Background



This preview shows how the XYZ color 47.6620, 50.2054, 55.3227 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 47.6620, 50.2054, 55.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

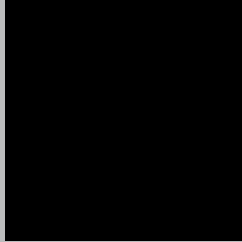
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

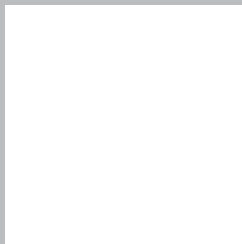
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6620, 50.2054, 55.3227

Background



This preview shows how black text looks on a background with the XYZ color 47.6620, 50.2054, 55.3227.

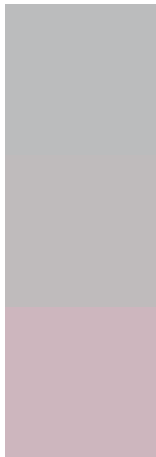


This preview shows how white text looks on a background with the XYZ color 47.6620, 50.2054,

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

47.6620, 50.2054, 55.3227

Protanopia

48.3333, 50.2479, 54.7283

Deuteranopia

51.1990, 50.1527, 55.6972



Tritanopia

49.0878, 50.1537, 62.3518

Trichromacy



Original Color

47.6620, 50.2054, 55.3227

Protanomaly

48.0826, 50.1186, 54.7166

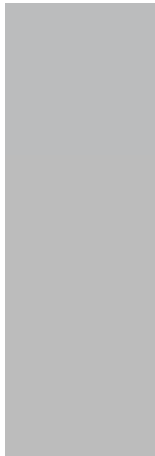
Deuteranomaly

49.7235, 50.0045, 55.7463

Tritanomaly

48.5874, 50.2632, 59.9643

Monochromacy



Original Color

47.6620, 50.2054, 55.3227

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.7994, 50.2886, 54.7643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6620, 50.2054, 55.3227 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(187, 188, 189)` looks like.

```
.text, #text, p{  
    color:rgb(187, 188, 189)  
}
```

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(187, 188, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 188, 189) }
```

Border

The CSS property to change the border of an element to XYZ 47.6620, 50.2054, 55.3227 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(187, 188, 189) }
```

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

```
.border{ border-color:rgb(187, 188, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 188, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 188, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 188, 189);  
box-shadow:4px 4px 4px 4px rgb(187, 188,  
189) }
```


Background

The CSS property to change the background color of an element to XYZ 47.6620, 50.2054, 55.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 188, 189) }
```

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

```
.background{ background-color: rgb(187,  
188, 189) }
```

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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