

Converting Colors

XYZ(19.9287, 22.2557, 34.6984)

Have a look what the booklet for
XYZ(19.9287, 22.2557, 34.6984)
contains.

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Color

**XYZ(19.8927, 22.2172,
34.6924)**

Conversions

Conversions Part 1

Format	Color
Hex	65869C
RGB	101, 134, 156
RGB Percent	40%, 53%, 61%
CMY	0.6039, 0.4745, 0.3882
CMYK	0.35, 0.14, 0.00, 0.39
HSL	204°, 22%, 50%
HSV	204°, 35%, 61%
XYZ	19.8927, 22.2172, 34.6924
YIQ	126.6410, -26.7300, -0.1540

Conversions

Conversions Part 2

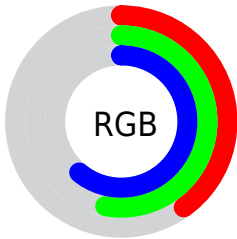
Format	Color
RYB	101, 122, 156
Decimal	6653596
CIELab	54.26, -5.97, -15.47
CIElCh	54, 16.580, 248.902
Yxy	22.2172, 0.2590, 0.2893
Android (android.graphics.Color)	4284843676 (0xFF65869C)
YUV	126.6410, 14.4740, -22.4872
Hunter-Lab	47.1351, -7.1531, -10.6440

Details

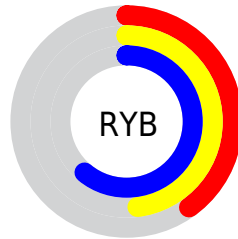
The XYZ color **19.8927, 22.2172, 34.6924** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.1427, 22.1738, 15.3728**, and the grayscale version is **20.0090, 21.0510, 22.9245**.

A 20% lighter version of the original color is **42.8546, 47.1138, 68.4632**, and **7.0854, 8.0644, 14.5477** is the 20% darker color. If you saturate the color by 10%, you get **17.4721, 19.7270, 34.3397**, and if you desaturate by 10%, it is **22.6972, 24.9818, 35.0786**.

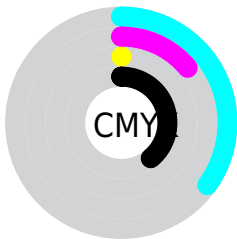
Distribution



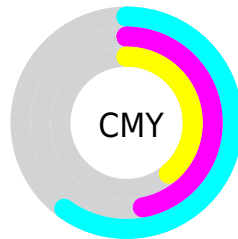
- Red (40%)
- Green (53%)
- Blue (61%)



- Red (40%)
- Yellow (48%)
- Blue (61%)



- Cyan (35%)
- Magenta (14%)
- Yellow (0%)
- Black (39%)



- Cyan (60%)
- Magenta (47%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8927, 22.2172, 34.6924 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 19.8927, 22.2172, 34.6924 by changing the saturation by 10% instead.

■ 19.8927, 22.2172,
34.6924

■ 19.8927, 22.2172,
34.6924

244.1783,
263.6785, 338.0714

■ 12.4249, 14.0166,
23.1444

■ 42.7425, 47.1047,
68.1551

■ 7.1080, 8.1322,
14.4938

■ 58.8553, 64.5604,
90.9069

■ 3.5767, 4.1797,
8.3223

■ 78.5803, 85.8699,
118.2303

■ 1.4655, 1.7746,
4.2111

■ 102.2831,
111.4176, 150.5440

■ 0.3022, 0.4712,
1.7419

130.3289,
141.5879, 188.2664

■ 0.0000, 0.0000,
0.3892

163.0832,

■ 0.0000, 0.0000,

176.7653, 231.8161

0.0000

200.9112,
217.3340, 281.6116

■ 19.8927, 22.2172,
34.6924

■ 19.8927, 22.2172,
34.6924

■ 17.4721, 19.7270,
34.3397

■ 22.6972, 24.9818,
35.0786

■ 15.4135, 17.4973,
34.0178

■ 25.9017, 28.0289,
35.4979

■ 13.6961, 15.5164,
33.7260

■ 29.5237, 31.3694,
35.9517

■ 12.2958, 13.7705,
33.4628

■ 33.5793, 35.0126,
36.4412

■ 11.1850, 12.2440,
33.2267

■ 38.0835, 38.9674,
36.9671

■ 10.3280, 10.9171,
33.0158

■ 43.0505, 43.2424,
37.5305

■ 9.9683, 10.3353,
32.9224

■ 48.4941, 47.8458,
38.1321

■ 54.4273, 52.7854,
38.7729

■ 60.8626, 58.0687,
39.4535

Harmonies

Analogous

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



18.5309, 22.2172, 30.9806



19.8927, 22.2172, 34.6924



21.6581, 22.2172, 35.3917

Triad

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



19.8927, 22.2172, 34.6924



24.7322, 22.2172, 22.6859



19.0126, 22.2172, 17.2545

Complementary

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



19.8927, 22.2172, 34.6924



23.1427, 22.1738, 15.3728

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.



20.5846, 22.2172, 15.6441



19.8927, 22.2172, 34.6924



23.9327, 22.2172, 18.4734

Square

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



19.8927, 22.2172, 34.6924



24.5209, 22.2172, 27.9455



22.3901, 22.2172, 16.0562



18.0432, 22.2172, 20.7883

Rectangle

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



19.8927, 22.2172, 34.6924



22.8379, 22.2172, 33.9708



22.3901, 22.2172, 16.0562



19.4843, 22.2172, 16.4949

Sweetspot

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



19.8934, 22.2181, 34.6929



49.6073, 53.2924, 64.7986



20.7739, 27.9514, 22.7403



10.7399, 11.5637, 14.2363



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.8934, 22.2181, 34.6929



32.7379, 36.8817, 62.5202



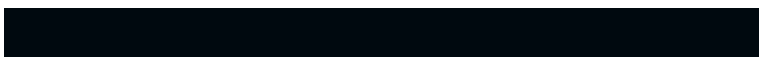
16.6695, 15.7702, 33.6183



6.5990, 7.0638, 8.4223



8.2453, 8.5821, 27.1292



0.1880, 0.2346, 0.4986

Inverse Universe

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



22.6677, 18.0972, 24.8536



38.6481, 28.7618, 41.4107



26.8997, 29.6879, 16.6252



6.7917, 6.7096, 7.7542



12.9600, 6.4886, 9.3065



0.2522, 0.1242, 0.2743

Previews

White Background



This preview shows how the XYZ color 19.8927, 22.2172, 34.6924 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 19.8927, 22.2172, 34.6924 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

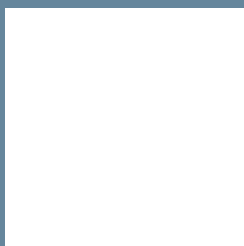
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8927, 22.2172, 34.6924

Background



This preview shows how black text looks on a background with the XYZ color 19.8927, 22.2172, 34.6924.



This preview shows how white text looks on a background with the XYZ color 19.8927, 22.2172,

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

19.8927, 22.2172, 34.6924

Protanopia

21.8441, 22.0653, 32.8135

Deuteranopia

22.6630, 22.2366, 35.4454



Tritanopia

19.1381, 22.3363, 30.4968

Trichromacy



Original Color

19.8927, 22.2172, 34.6924

Protanomaly

20.9349, 21.9782, 33.2758

Deuteranomaly

21.5396, 22.2511, 35.0579

Tritanomaly

19.4245, 22.2393, 32.1230

Monochromacy



Original Color

19.8927, 22.2172, 34.6924

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0413, 21.6518, 27.1677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8927, 22.2172, 34.6924 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(101, 134, 156)` looks like.

```
.text, #text, p{  
    color:rgb(101, 134, 156)  
}
```

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(101, 134, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 134, 156) }
```

Border

The CSS property to change the border of an element to XYZ 19.8927, 22.2172, 34.6924 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(101, 134, 156) }
```


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

```
.border{ border-color:rgb(101, 134, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 134, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 134, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 134, 156);  
box-shadow:4px 4px 4px 4px rgb(101, 134,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8927, 22.2172, 34.6924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 134, 156) }
```

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

```
.background{ background-color: rgb(101,  
134, 156) }
```

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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