

Converting Colors

XYZ(19.0446, 22.0711, 40.9025)

Have a look what the booklet for
XYZ(19.0446, 22.0711, 40.9025)
contains.

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Color

**XYZ(19.0262, 22.0507,
40.7895)**

Conversions

Conversions Part 1

Format	Color
Hex	4D88A9
RGB	77, 136, 169
RGB Percent	30%, 53%, 66%
CMY	0.6980, 0.4667, 0.3373
CMYK	0.54, 0.20, 0.00, 0.34
HSL	202°, 37%, 48%
HSV	202°, 54%, 66%
XYZ	19.0262, 22.0507, 40.7895
YIQ	122.1210, -45.7570, -2.2450

Conversions

Conversions Part 2

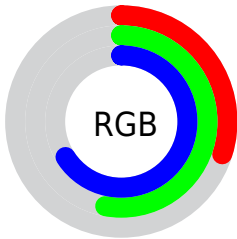
Format	Color
RYB	77, 113, 169
Decimal	5081257
CIELab	54.08, -9.58, -23.35
CIELCh	54, 25.238, 247.681
Yxy	22.0507, 0.2324, 0.2693
Android (android.graphics.Color)	4283271337 (0xFF4D88A9)
YUV	122.1210, 23.1113, -39.5711
Hunter-Lab	46.9582, -9.8534, -18.6306

Details

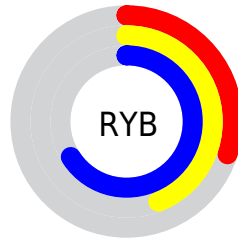
The XYZ color **19.0262, 22.0507, 40.7895** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.2784, 20.1236, 9.6794**, and the grayscale version is **18.4765, 19.4387, 21.1688**.

A 20% lighter version of the original color is **41.1679, 46.6825, 77.3619**, and **6.6638, 8.0045, 18.0234** is the 20% darker color. If you saturate the color by 10%, you get **17.0060, 19.7779, 40.4577**, and if you desaturate by 10%, it is **21.4504, 24.6044, 41.1551**.

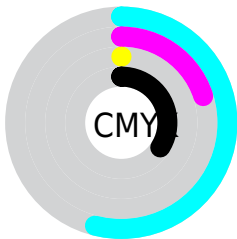
Distribution



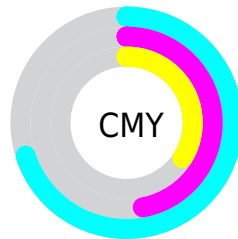
- Red (30%)
- Green (53%)
- Blue (66%)



- Red (30%)
- Yellow (44%)
- Blue (66%)



- Cyan (54%)
- Magenta (20%)
- Yellow (0%)
- Black (34%)



- Cyan (70%)
- Magenta (47%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0262, 22.0507, 40.7895 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 19.0262, 22.0507, 40.7895 by changing the saturation by 10% instead.

■ 19.0262, 22.0507,
40.7895

■ 19.0262, 22.0507,
40.7895

239.5287,
262.8109, 365.0906

■ 11.7933, 13.8942,
27.8362

■ 41.2949, 46.8298,
77.6144

■ 6.6743, 8.0471,
17.9642

■ 57.0614, 64.2211,
102.3231

■ 3.3038, 4.1251,
10.7551

■ 76.4032, 85.4595,
131.7874

■ 1.3164, 1.7438,
5.7903

■ 99.6857, 110.9293,
166.4257

■ 0.1954, 0.4518,
2.6513

■ 127.2741,
141.0150, 206.6566

■ 0.0000, 0.0000,
0.9188

159.5338,

■ 0.0000, 0.0000,

176.1009, 252.8988

0.0000

196.8302,
216.5714, 305.5706

■ 19.0262, 22.0507,
40.7895

■ 19.0262, 22.0507,
40.7895

■ 17.0060, 19.7779,
40.4577

■ 21.4504, 24.6044,
41.1551

■ 15.3588, 17.7674,
40.1565

■ 24.3023, 27.4509,
41.5542

■ 14.0521, 16.0019,
39.8845

■ 27.6060, 30.6043,
41.9887

■ 13.0463, 14.4594,
39.6398

■ 31.3833, 34.0770,
42.4599

■ 12.5643, 13.6702,
39.5129

■ 35.6545, 37.8803,
42.9689

■ 40.4386, 42.0253,
43.5168

■ 45.7535, 46.5221,
44.1047

■ 51.6163, 51.3805,
44.7335

■ 58.0433, 56.6100,
45.4041

Harmonies

Analogous

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



17.0699, 22.0507, 34.4299



19.0262, 22.0507, 40.7895



21.6685, 22.0507, 42.2184

Triad

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



19.0262, 22.0507, 40.7895



26.6075, 22.0507, 22.0542



17.9086, 22.0507, 13.9625

Complementary

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



19.0262, 22.0507, 40.7895



23.2784, 20.1236, 9.6794

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.



20.2642, 22.0507, 11.9731



19.0262, 22.0507, 40.7895



25.3970, 22.0507, 15.9373

Square

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



19.0262, 22.0507, 40.7895



26.2034, 22.0507, 30.1880



23.0175, 22.0507, 12.6079



16.4648, 22.0507, 18.7373

Rectangle

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



19.0262, 22.0507, 40.7895



23.4948, 22.0507, 39.9485



23.0175, 22.0507, 12.6079



18.6117, 22.0507, 12.9990

Sweetspot

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



19.0269, 22.0515, 40.7900



54.8873, 59.8340, 75.8813



20.0204, 31.0627, 19.4660



11.6665, 12.7705, 16.5022



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.0269, 22.0515, 40.7900



29.9005, 34.7658, 72.3596



13.9468, 11.8913, 39.0967



7.5178, 8.0725, 9.5803



9.4160, 10.2921, 29.4658



0.2748, 0.3419, 0.7322

Inverse Universe

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



23.4607, 15.5212, 25.0527



39.0242, 23.2137, 39.5525



29.4570, 32.4808, 11.7390



7.7260, 7.6202, 8.8741



14.2533, 7.1101, 11.4116



0.3699, 0.1822, 0.3992

Previews

White Background



This preview shows how the XYZ color 19.0262, 22.0507, 40.7895 looks on a white background.

Color Contrast Check

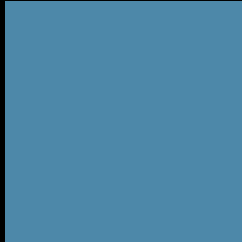
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0262, 22.0507, 40.7895 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

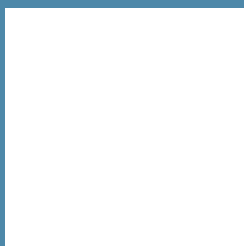
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0262, 22.0507, 40.7895

Background



This preview shows how black text looks on a background with the XYZ color 19.0262, 22.0507, 40.7895.

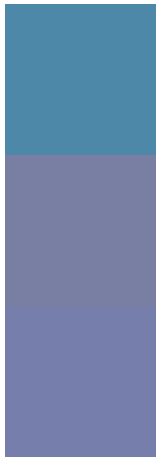


This preview shows how white text looks on a background with the XYZ color 19.0262, 22.0507,

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

19.0262, 22.0507, 40.7895

Protanopia

21.9460, 21.8162, 37.7046

Deuteranopia

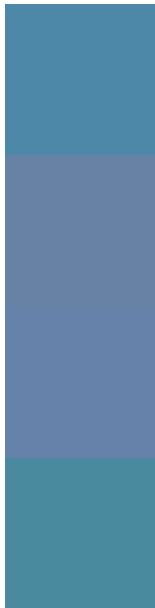
22.4113, 21.9706, 41.5876



Tritanopia

17.3443, 22.0017, 32.6108

Trichromacy



Original Color

19.0262, 22.0507, 40.7895

Protanomaly

20.4831, 21.6249, 38.6918

Deuteranomaly

20.8318, 21.7511, 41.1306

Tritanomaly

18.0077, 22.0620, 35.6570

Monochromacy



Original Color

19.0262, 22.0507, 40.7895

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.1934, 20.1070, 27.3482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0262, 22.0507, 40.7895 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(77, 136, 169)` looks like.

```
.text, #text, p{  
    color:rgb(77, 136, 169)  
}
```

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(77, 136, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 136, 169) }
```

Border

The CSS property to change the border of an element to XYZ 19.0262, 22.0507, 40.7895 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(77, 136, 169) }
```


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

```
.border{ border-color:rgb(77, 136, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 136, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 136, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 136, 169);  
box-shadow:4px 4px 4px 4px rgb(77, 136,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0262, 22.0507, 40.7895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 136, 169) }
```

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

```
.background{ background-color: rgb(77, 136,  
169) }
```

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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