

Converting Colors

XYZ(19.6745, 22.6050, 56.7450)

Have a look what the booklet for
XYZ(19.6745, 22.6050, 56.7450)
contains.

XYZ(19.7142, 22.6912, 56.7669)	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(19.7142, 22.6912,
56.7669)**

Conversions

Conversions Part 1

Format	Color
Hex	148BC6
RGB	20, 139, 198
RGB Percent	8%, 55%, 78%
CMY	0.9215, 0.4549, 0.2235
CMYK	0.90, 0.30, 0.00, 0.22
HSL	200°, 82%, 43%
HSV	200°, 90%, 78%
XYZ	19.7142, 22.6912, 56.7669
YIQ	110.1450, -89.8630, -6.8790

Conversions

Conversions Part 2

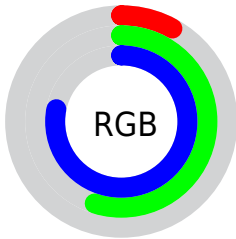
Format	Color
R _Y B	20, 91, 198
Decimal	1346502
CIE Lab	54.75, -9.00, -38.98
CIE LCh	55, 40.006, 257.003
Yxy	22.6912, 0.1988, 0.2288
Android (android.graphics.Color)	4279536582 (0xFF148BC6)
YUV	110.1450, 43.3125, -79.0572
Hunter-Lab	47.6353, -9.4882, -37.3111

Details

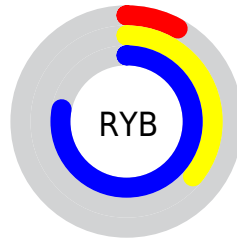
The XYZ color **19.7142, 22.6912, 56.7669** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **26.2134, 17.6525, 2.6888**, and the grayscale version is **14.7634, 15.5322, 16.9146**.

A 20% lighter version of the original color is **42.3791, 47.7441, 101.5896**, and **8.6064, 9.1584, 27.6997** is the 20% darker color. If you saturate the color by 10%, you get **18.5067, 20.7002, 56.4467**, and if you desaturate by 10%, it is **21.2736, 24.9490, 57.1210**.

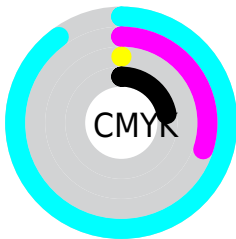
Distribution



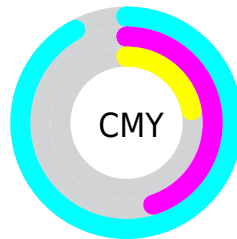
- Red (8%)
- Green (55%)
- Blue (78%)



- Red (8%)
- Yellow (36%)
- Blue (78%)



- Cyan (90%)
- Magenta (30%)
- Yellow (0%)
- Black (22%)



- Cyan (92%)
- Magenta (45%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7142, 22.6912, 56.7669 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 19.7142, 22.6912, 56.7669 by changing the saturation by 10% instead.

■ 19.7142, 22.6912,
56.7669

■ 19.7142, 22.6912,
56.7669

243.2268,
266.1349, 430.0445

■ 12.2945, 14.3657,
40.4100

■ 42.4451, 47.8858,
101.6219

■ 7.0182, 8.3754,
27.5422

■ 58.4870, 65.5236,
130.9572

■ 3.5199, 4.3361,
17.7448

■ 78.1338, 87.0343,
165.4556

■ 1.4343, 1.8633,
10.5994

■ 101.7507,
112.8023, 205.5357

■ 0.2805, 0.5262,
5.6874

■ 129.7031,
143.2120, 251.6162

■ 0.0000, 0.0000,
2.5902

162.3563,

■ 0.0000, 0.0000,

178.6477, 304.1154

0.8874

200.0758,
219.4939, 363.4520

■ 0.0000, 0.0000,
0.0000

■ 19.7142, 22.6912,
56.7669

■ 19.7142, 22.6912,
56.7669

■ 18.5067, 20.7002,
56.4467

■ 21.2736, 24.9490,
57.1210

■ 18.4936, 20.6781,
56.4431

■ 23.2835, 27.5249,
57.5122

■ 25.7988, 30.4488,
57.9441

■ 28.8653, 33.7459,
58.4188

■ 32.5233, 37.4382,
58.9387

■ 36.8092, 41.5457,
59.5057

■ 41.7560, 46.0868,
60.1215

■ 47.3947, 51.0787,
60.7878

■ 53.7539, 56.5374,
61.5063

Harmonies

Analogous

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



16.2814, 22.6912, 47.0908



19.7142, 22.6912, 56.7669



24.1457, 22.6912, 56.0046

Triad

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



19.7142, 22.6912, 56.7669



30.7447, 22.6912, 18.2586



15.9361, 22.6912, 11.5609

Complementary

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



19.7142, 22.6912, 56.7669



26.2134, 17.6525, 2.6888

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.



19.1793, 22.6912, 7.9895



19.7142, 22.6912, 56.7669



27.8888, 22.6912, 10.8517

Square

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



19.7142, 22.6912, 56.7669



30.9396, 22.6912, 30.5868



23.5330, 22.6912, 7.7841



14.3092, 22.6912, 19.6333

Rectangle

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



19.7142, 22.6912, 56.7669



27.0896, 22.6912, 49.6473



23.5330, 22.6912, 7.7841



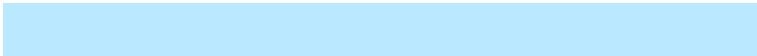
16.8517, 22.6912, 9.9348

Sweetspot

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



19.7150, 22.6919, 56.7675



67.2422, 75.4901, 105.6347



21.8013, 41.0648, 13.6854



13.7804, 15.5861, 22.5321



0.0000, 0.0000, 0.0000



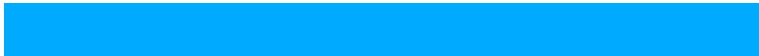
20.3446, 21.4041, 23.3091

Same Dimension

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



19.7150, 22.6919, 56.7675



32.5121, 36.1442, 99.8707



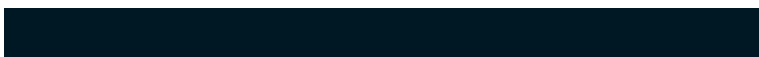
11.7397, 6.7413, 54.1090



10.6390, 11.4521, 13.5672



12.1079, 13.6097, 36.7331



0.6377, 0.7733, 1.7608

Inverse Universe

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



28.1999, 14.3713, 25.7143



48.5398, 24.1799, 40.3703



36.9379, 39.1014, 6.2636



10.9278, 10.7545, 12.6032



17.9108, 8.9139, 15.2722



0.8806, 0.4351, 0.8944

Previews

White Background



This preview shows how the XYZ color 19.7142, 22.6912, 56.7669 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 19.7142, 22.6912, 56.7669 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 19.7142, 22.6912, 56.7669

Background



This preview shows how black text looks on a background with the XYZ color 19.7142, 22.6912, 56.7669.

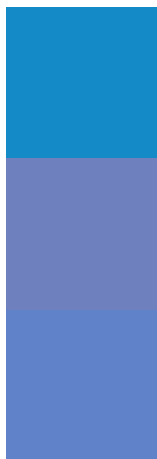


This preview shows how white text looks on a background with the XYZ color 19.7142, 22.6912,

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

19.7142, 22.6912, 56.7669

Protanopia

23.3349, 22.4275, 51.2432

Deuteranopia

23.1273, 22.5683, 57.7808



Tritanopia

16.1261, 22.6511, 34.9747

Trichromacy



Original Color

19.7142, 22.6912, 56.7669

Protanomaly

20.8263, 21.8861, 52.9959

Deuteranomaly

21.0802, 22.1275, 57.1928

Tritanomaly

17.2608, 22.6304, 41.9864

Monochromacy



Original Color

19.7142, 22.6912, 56.7669

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.7804, 17.2055, 28.1332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7142, 22.6912, 56.7669 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(20, 139, 198)` looks like.

```
.text, #text, p{  
    color:rgb(20, 139, 198)  
}
```

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(20, 139, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 139, 198) }
```

Border

The CSS property to change the border of an element to XYZ 19.7142, 22.6912, 56.7669 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(20, 139, 198) }
```


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

```
.border{ border-color:rgb(20, 139, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 139, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 139, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 139, 198);  
box-shadow:4px 4px 4px 4px rgb(20, 139,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7142, 22.6912, 56.7669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 139, 198) }
```

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

```
.background{ background-color: rgb(20, 139,  
198) }
```

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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