

Converting Colors

XYZ(20.1333, 22.9298, 55.4078)

Have a look what the booklet for
XYZ(20.1333, 22.9298, 55.4078)
contains.

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Color

**XYZ(20.1927, 22.9644,
55.5928)**

Conversions

Conversions Part 1

Format	Color
Hex	2B8BC4
RGB	43, 139, 196
RGB Percent	17%, 55%, 77%
CMY	0.8313, 0.4549, 0.2314
CMYK	0.78, 0.29, 0.00, 0.23
HSL	202°, 64%, 47%
HSV	202°, 78%, 77%
XYZ	20.1927, 22.9644, 55.5928
YIQ	116.7940, -75.5130, -2.6250

Conversions

Conversions Part 2

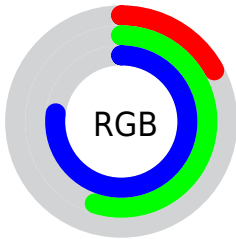
Format	Color
R_{YB}	43, 102, 196
Decimal	2853828
CIE _{Lab}	55.04, -7.84, -37.38
CIE _{LCh}	55, 38.190, 258.152
Yxy	22.9644, 0.2045, 0.2326
Android (android.graphics.Color)	4281043908 (0xFF2B8BC4)
YUV	116.7940, 39.0486, -64.7173
Hunter-Lab	47.9212, -8.6470, -35.2368

Details

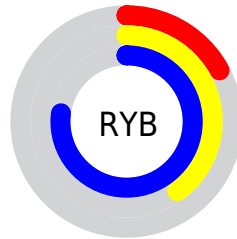
The XYZ color **20.1927, 22.9644, 55.5928** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **27.7597, 21.0269, 4.8822**, and the grayscale version is **16.7461, 17.6182, 19.1862**.

A 20% lighter version of the original color is **43.1348, 48.1706, 99.9529**, and **8.4549, 9.0978, 26.9016** is the 20% darker color. If you saturate the color by 10%, you get **18.5373, 20.5937, 55.2229**, and if you desaturate by 10%, it is **22.3150, 25.6813, 56.0058**.

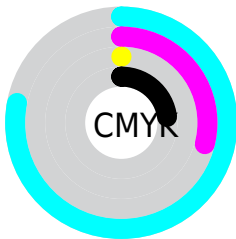
Distribution



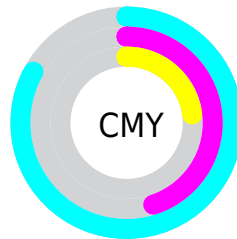
- Red (17%)
- Green (55%)
- Blue (77%)



- Red (17%)
- Yellow (40%)
- Blue (77%)



- Cyan (78%)
- Magenta (29%)
- Yellow (0%)
- Black (23%)



- Cyan (83%)
- Magenta (45%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1927, 22.9644, 55.5928 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 20.1927, 22.9644, 55.5928 by changing the saturation by 10% instead.

■ 20.1927, 22.9644,
55.5928

■ 20.1927, 22.9644,
55.5928

245.7701,
267.5421, 425.5002

■ 12.6443, 14.5672,
39.4747

■ 43.2415, 48.3349,
99.8888

■ 7.2594, 8.5162,
26.8186

■ 59.4726, 66.0769,
128.9038

■ 3.6726, 4.4270,
17.2058

■ 79.3286, 87.7028,
163.0549

■ 1.5186, 1.9152,
10.2178

■ 103.1749,
113.5968, 202.7606

■ 0.3385, 0.5575,
5.4361

■ 131.3769,
144.1433, 248.4394

■ 0.0000, 0.0000,
2.4422

164.2998,

■ 0.0000, 0.0000,

179.7268, 300.5100

0.8093

202.3091,
220.7316, 359.3907

■ 0.0000, 0.0000,
0.0000

■ 20.1927, 22.9644,
55.5928

■ 20.1927, 22.9644,
55.5928

■ 18.5373, 20.5937,
55.2229

■ 22.3150, 25.6813,
56.0058

■ 17.2691, 18.5252,
54.8905

■ 24.9528, 28.7705,
56.4631

■ 17.0440, 18.1457,
54.8291

■ 28.1511, 32.2573,
56.9675

■ 31.9487, 36.1638,
57.5214

■ 36.3807, 40.5097,
58.1267

■ 41.4795, 45.3137,
58.7852

■ 47.2750, 50.5927,
59.4987

■ 53.7953, 56.3631,
60.2688

■ 61.0669, 62.6402,
61.0972

Harmonies

Analogous

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



16.8190, 22.9644, 46.7886



20.1927, 22.9644, 55.5928



24.4715, 22.9644, 54.4664

Triad

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



20.1927, 22.9644, 55.5928



30.5438, 22.9644, 18.4023



16.2909, 22.9644, 12.4206

Complementary

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



20.1927, 22.9644, 55.5928



27.7597, 21.0269, 4.8822

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.



19.3802, 22.9644, 8.7133



20.1927, 22.9644, 55.5928



27.7417, 22.9644, 11.3143

Square

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



20.1927, 22.9644, 55.5928



30.8356, 22.9644, 30.1207



23.5471, 22.9644, 8.3878



14.7698, 22.9644, 20.5028

Rectangle

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



20.1927, 22.9644, 55.5928



27.2710, 22.9644, 48.2765



23.5471, 22.9644, 8.3878



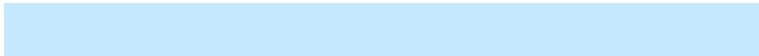
17.1605, 22.9644, 10.7524

Sweetspot

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



20.1935, 22.9652, 55.5934



70.0872, 77.3648, 105.8467



22.9942, 40.8970, 18.5135



14.2969, 15.8900, 22.5635



0.0000, 0.0000, 0.0000



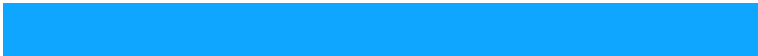
20.3446, 21.4041, 23.3091

Same Dimension

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



20.1935, 22.9652, 55.5934



31.8327, 34.4857, 99.5864



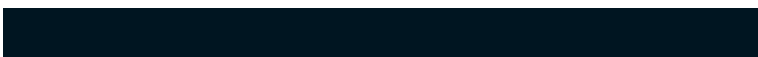
12.7610, 8.1001, 53.1159



10.0430, 10.7772, 12.8357



11.0361, 11.8288, 35.2581



0.5411, 0.6396, 1.5448

Inverse Universe

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



28.2898, 15.3286, 25.8945



48.2701, 24.3522, 38.0862



38.6489, 42.8053, 8.5119



10.3330, 10.1818, 11.8440



16.9665, 8.4764, 13.0016



0.7655, 0.3792, 0.7326

Previews

White Background



This preview shows how the XYZ color 20.1927, 22.9644, 55.5928 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 20.1927, 22.9644, 55.5928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

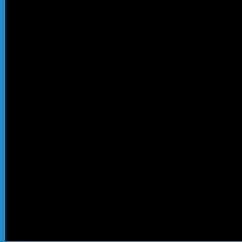
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1927, 22.9644, 55.5928

Background



This preview shows how black text looks on a background with the XYZ color 20.1927, 22.9644, 55.5928.



This preview shows how white text looks on a background with the XYZ color 20.1927, 22.9644,

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

20.1927, 22.9644, 55.5928

Protanopia

23.6094, 22.7761, 50.7288

Deuteranopia

23.3213, 22.6951, 56.5775



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

20.1927, 22.9644, 55.5928

Protanomaly

21.7220, 22.5629, 52.5004

Deuteranomaly

21.6900, 22.4685, 56.0170

Tritanomaly

17.3868, 22.6954, 41.9923

Monochromacy



Original Color

20.1927, 22.9644, 55.5928

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.7384, 18.9162, 29.9631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1927, 22.9644, 55.5928 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(43, 139, 196)` looks like.

```
.text, #text, p{  
    color:rgb(43, 139, 196)  
}
```

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(43, 139, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 139, 196) }
```

Border

The CSS property to change the border of an element to XYZ 20.1927, 22.9644, 55.5928 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(43, 139, 196) }
```


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

```
.border{ border-color:rgb(43, 139, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 139, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 139, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 139, 196);  
box-shadow:4px 4px 4px 4px rgb(43, 139,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1927, 22.9644, 55.5928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 139, 196) }
```

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

```
.background{ background-color: rgb(43, 139,  
196) }
```

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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